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GOVERNMENT DOCUMENTS

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MAY 1986

MASSACHUSETTS BOARD OF LIBRARY COMMISSIONERS
648 Beacon Street Boston, MA 02215

Selected Public Library Statistics

DATA FOR MASSACHUSETTS FY85

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DATA FOR MASSACHUSETTS FY85

Prepared with LSCA Title I funds

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Introduction

With the FY85 data, the name of this report has been changed from the Comparative Public Library Report to Selected Public Library Statistics in recognition of the characteristics of the data and how they may be used.

When the report was first compiled several years ago, two of its purposes were to provide data items that would be comparable in composition with those produced at the national level by the National Center for Educational Statistics, and, secondly, to provide data items useful to libraries doing local comparisons. As you may know, efforts are being made at the national level to collect, compile and access individual library data in a new and more responsive way.

More importantly, for the purposes of users of this report, respondents have confirmed for us over the years that the components of the various indicators may vary from community to community and therefore may render simple comparisons inaccurate. While useful for longitudinal analysis, this report as now constituted can not reflect the variety of information a user should have in order to conduct a sophisticated and reasonably accurate comparative study across communities and libraries. In order to reinforce this we have renamed the report and in the future will no longer be providing the data arranged by population group.

The report provides per capita and percentage figures reflecting selected FY85 support and activity indicators for responding public libraries. Data were compiled from the FY86 Library Incentive Grant Application and the Annual Report Information Survey forms.

With few exceptions, financial, collection, and hours open data are for the twelve month period ending June 30, 1985. Eighteen libraries reported holdings and/or circulation data for another period, most frequently, for calendar year 1984. The work week and full-time equivalents (FTE) data are reported as of July 1, 1985.

The report reflects financial data for 319 or 92% of the 346 municipalities with public libraries. Hours open data were received from 318 communities. A total of 321 or 93% of the municipalities supplied holdings, circulation, work week, and staffing data.

With two exceptions, this report reflects the combined levels of library support and activity for all reporting libraries within municipalities with more than one library system receiving public funds. Holdings, circulation, work week, and FTE data for Barnstable and Northfield do not include reports from the Hyannis and Field libraries respectively.

The five municipalities without public libraries are not listed in the report. They are Hawley with a population of 280 and population rank of 345, Millville, population of 1,693 and rank of 289; Montgomery 637 and 332; New Ashford 159 and 349; and Washington 587 and 336 respectively.

ARRANGEMENT OF THE REPORT

The report is arranged in three sections: Summary Tables, Municipal Tables, and the survey forms. Statewide and regional data for selected indicators follow the introduction. The Usage Notes preceding the Summary Tables contain a formula for calculating percentiles not appearing in the Summary Tables.

Section One: Summary Tables

The summary tables display the mean (average), median, and the 10th, 25th, 75th, and 90th percentile values of nine indicators for population groups I through VI. Because of the small number of municipalities in group VI, the percentiles for this group should be considered estimates only.

Means, medians, and percentiles are superfluous for group VII, the three municipalities with populations in excess of 100,000. Data for these municipalities appear in the municipal tables only.

Section Two: Municipal Tables

The municipal tables contain data for individual municipalities arranged in seven population groups based on the 1980 federal census. See the index to determine in which population group a municipality is listed.

INDICATORS OF LIBRARY SUPPORT & ACTIVITY

In addition to 1980 population, 1980 population rank, and regional system affiliation (Central, Eastern, or Western), the following library data appear in this order in the municipal tables:

- Total Operating Income Per Capita
- Appropriated Municipal Income Per Capita
- Total Operating Expenditures Per Capita
- Salary Expenditures Per Capita and as a Percent of Total Operating Expenditures
- Materials Expenditures Per Capita and as a Percent of Total Operating Expenditures

Holdings Per Capita
Circulation Per Capita
Hours Open in the Winter and Summer
Hours in the Work Week
Full-time Equivalents of Staff

The emphasis of the report is municipal data. Therefore, we ask that the state funds received by libraries that contract with the Board of Library Commissioners to provide regional services be omitted from the report.

Only three categories of federal and state funds have been included in the report. Libraries were asked to include federal revenue sharing, the Massachusetts Library Incentive Grant and the Additional Aid to Public Libraries monies in their income and expenditure figures.

The Total Operating Income data are not comparable in terms of categories of income and access to the income. The income components depend on the municipality and the manner of reporting. For example, Total Operating Income may reflect all or some of the components of Appropriated Municipal Income plus trust or endowment income, and/or income from monetary gifts or miscellaneous sources.

The discretion with which trust and/or endowment income may be expended varies widely among libraries depending on the fund restrictions. Some funds, for example, restrict expenditures to materials on a relatively narrow topic. As a result, a library's operating income may appear inflated until selected materials complying with the fund requirements are acquired.

Print and non-print data are combined in the **Holdings** and **Circulation** indicators.

Hours Open, Winter and Summer, displays the number of hours in an average week that the library was open to the public in FY85. Hours for branch libraries are included if they do not overlap main library hours.

Hours in the Work Week, for larger libraries, is the number of hours typically worked per week by a full-time paid employee. For smaller libraries where no one works 35 hours, the figure is the greatest number of hours worked in a typical week by a paid staff member. Depending on the municipality, that work week may be considered full-time, even though it is less than 35 hours.

The full-time equivalents (**FTE**) reflect paid staff, excluding those paid by state or federally subsidized employment programs. One FTE equals 35 paid staff hours.

LIBRARY INCENTIVE GRANT PROGRAM

The compilation of data for this report may not necessarily correspond to the data used to determine compliance with minimum standards for the FY86 Library Incentive Grant Program.

STATEWIDE DATA

Statewide data for selected financial and collection indicators are shown for the last three fiscal years with per capita based on the population served by the libraries responding each year.

The agency welcomes your comments and suggestions and examples of how the report is being used.

Mary Litterst
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STATISTICS OF PUBLIC LIBRARIES STATEWIDE SUMMARY FOR SELECTED INDICATORS, FY 83-85

(per capita figures in parentheses)

FY ^a	No. of Reptg Libs. ^b	No. of Reptg Muns. ^b	Total Operating Income \$	Appropriated Municipal Income \$	Total Operating Expenditures \$	Salary Expenditures \$	Materials Expenditures \$	Holdings	Circulation	FTE ^g
1983	341	314	66,446,313 (11.89)	62,451,848 (11.18)	64,449,491 (11.54)	44,215,363 (7.91)	10,721,444 (1.92)	25,974,565 ^c (4.60)	33,070,066 ^c (5.86)	3482.7 ^c
1984	343	316	71,335,308 (12.73)	67,374,011 (12.02)	69,813,294 (12.45)	47,701,217 (8.51)	11,325,376 (2.02)	26,397,755 ^d (4.67)	32,003,443 ^e (5.66)	3564.6 ^d
1985	346	319	76,044,835 (13.49)	71,421,637 (12.67)	74,087,488 (13.14)	50,077,961 (8.89)	12,409,215 (2.20)	29,657,202 ^f (5.24)	32,123,455 ^f (5.67)	3651.3 ^f
83-84	% CHANGE IN PER CAPITA FIGURES		7.06	7.51	7.89	7.59	5.21	1.52	-3.41	2.35%
84-85			5.97	5.41	5.54	4.47	8.91	12.21	0.18	2.43%
83-85			13.46	13.33	13.86	12.39	14.58	13.91	-3.24	4.84%

Per capita figures are based on the population (1980 U.S. census) of municipalities served by responding libraries.

FY83, population served by responding libraries for financial indicators = 5,586,706
for holdings and circulation data = 5,644,210

FY84, population served by responding libraries for financial indicators = 5,605,527
for holdings data = 5,657,959
for circulation data = 5,655,648

FY85, population served by responding libraries for financial indicators = 5,636,224
for holdings and circulation data = 5,661,133

a. Fiscal year applies to all indicators except FTE which are reported as of July 1 of each year

b. Reporting financial data

c. Holdings, circulation, and FTE data based on 353 libraries reporting from 326 municipalities

d. Holdings and FTE data based on 352 libraries reporting from 325 municipalities

e. Circulation based on 351 libraries reporting from 324 municipalities

f. Holdings, circulation, and FTE data based on 346 libraries reporting from 321 municipalities

g. Rate of change calculated on gross figures.

FY85 REGIONAL ADDENDUM

Average Per Capita Figures for All Reporting Municipalities
By Population Group and Regional Affiliation for 7 Indicators of Library Support and Activity

Population Group	Total Library Operating Income \$				Appropriated Municipal Operating Income \$				Total Library Operating Expenditures \$				Salary Expenditures \$				Material Expenditures \$			
	C	E	W	Pop Group	C	E	W	Pop Group	C	E	W	Pop Group	C	E	W	Pop Group	C	E	W	Pop Group
I 1-1,999	9.14	17.48	6.56	8.19	6.51	15.81	5.45	6.81	8.43	16.69	6.18	7.72	3.66	9.51	2.91	3.78	2.16	4.67	1.78	2.17
II 2,000-4,999	9.55	16.14	7.42	11.75	8.07	14.75	6.52	10.44	9.11	15.69	6.89	11.28	4.81	9.45	3.79	6.47	2.50	3.72	1.92	2.86
III 5,000-9,999	10.11	11.89	9.16	10.91	9.15	11.14	8.32	10.09	9.66	11.47	8.92	10.52	6.12	7.27	5.16	6.58	2.05	2.54	2.03	2.32
IV 10,000-24,999	12.02	13.24	11.05	12.78	11.43	12.36	10.61	12.01	11.70	12.92	10.83	12.48	7.39	8.80	7.19	8.37	2.45	2.38	1.95	2.35
V 25,000-49,999	13.53	13.79	11.77	13.48	12.78	12.74	10.11	12.36	13.53	13.51	11.37	13.19	9.04	9.21	7.44	8.94	2.19	2.18	1.85	2.14
VI 50,000-99,999	----	10.87	8.74	10.70	----	10.54	8.52	10.37	----	10.60	8.50	10.43	----	7.79	6.70	7.70	----	1.53	1.15	1.50
VII 100,000+	16.60	21.51	23.17	20.89	15.69	20.77	20.90	19.85	14.60	21.20	23.17	20.33	10.64	13.51	16.09	13.43	2.10	3.11	3.21	2.94
REGIONAL/ ALL GROUPS	12.65	13.78	12.67	13.49	11.80	13.03	11.48	12.67	11.93	13.48	12.42	13.14	7.83	9.16	8.32	8.89	2.27	2.22	2.06	2.20

for financial indicators:

C (Central Region) represents 64 reporting municipalities with a 1980 federal census of 690,179

E (Eastern Region) represents 172 reporting municipalities with a 1980 federal census of 4,175,720

W (Western Region) represents 83 reporting municipalities with a 1980 federal census of 770,325

FY85 REGIONAL ADDENDUM

Average Per Capita Figures for All Reporting Municipalities
By Population Group and Regional Affiliation for 7 Indicators of Library Support and Activity (cont'd)

----- I N D I C A T O R S -----								
Population Group	Total Holdings				Pop Group	Total Circulation		
	C	E	W			C	E	W
I 1-1,999	8.90	13.80	8.93	9.47		7.77	11.75	7.26
II 2,000-4,999	5.42	7.23	7.12	6.56		6.21	10.53	6.20
III 5,000-9,999	4.32	4.62	5.02	4.61		6.00	7.02	5.86
IV 10,000-24,999	3.36	4.12	3.55	3.92		6.25	7.48	7.36
V 25,000-49,999	3.82	3.90	4.88	4.04		5.75	6.11	6.13
VI 50,000-99,999	----	3.57	2.82	3.51		----	3.88	5.15
VII 100,000+	5.56	15.29	4.39	11.60		4.32	3.14	6.62
REGIONAL/ ALL GROUPS	4.35	5.50	4.61	5.24		5.71	5.54	6.37

for holdings and circulation data:

C (Central Region) represents 64 reporting municipalities with a 1980 federal census of 690,179

E (Eastern Region) represents 173 reporting municipalities with a 1980 federal census of 4,198,879

W (Western Region) represents 84 reporting municipalities with a 1980 federal census of 772,075

Usage Notes

The statistical measures applied to each indicator of library support and activity in the Summary Tables are:

The Mean a measure of central tendency which is commonly termed the "average." It is derived by dividing the sum of all the values in any particular group of data by the number of values included in that total.

Percentile Rank describes the position of a value in its distribution, indicating the percent of cases in a distribution falling at or below the value of an indicator. For example, the library of a hypothetical municipality has a per capita operating expenditure of \$6.00 and a corresponding percentile rank of 25. This indicates that 25% of the municipalities in the population group have the same or smaller per capita operating expenditure than the sample library.

Median the popular term for the 50th percentile; is equal to the value of an indicator at or below which 50% of the values fall. The value of the median differs from the value of the mean when the distribution of the values of an indicator is not regular, but rather skewed or piled at either end of the range. When there is considerable difference between the median and the mean, the median is generally thought of as being the more valid measure of central tendency.

Percentiles are not the most descriptive measures when the sample size is small, as in the 50,000 - 99,999 population group, the distribution is skewed, or the range of values is small. This is especially evident in Table G for the 25,000 - 49,999 and 50,000 - 99,999 groups. In some cases the same value appears for more than one percentile. The same condition occurs in Table E for the 50,000 - 99,999 group. This is the result of a relatively small range of values consisting of rounded whole numbers with a skewed distribution in the range.

Constructed below are hypothetical library situations designed to illustrate how the Summary Tables may be used and how an undisplayed percentile may be calculated.

In some instances, the value of an indicator may fall between the displayed values of a statistical measure, such as between the median (50th percentile) and the 75th percentile and it is informative to calculate the undisplayed percentile. Following is an example of how this may be done.

PERCENTILE	0	10th	25th	Median 50th	55th	75th	90th	100	Mean
VALUES		3.55	5.16	7.75	8.32	10.65	12.95	26.40	8.32

- a - Finding the difference between the displayed values falling above (10.65) and below (7.75) our hypothetical value (8.32). The difference is 2.90 salary expenditures dollars per capita.
- b - Finding the difference between our hypothetical value (8.32) and the displayed value falling below it (7.75). The difference is .57 salary expenditures dollars per capita.
- c - Determining the ratio of the latter total to the former (.57 divided by 2.90), which equals .196.
- d - Finding the difference between the displayed percentiles corresponding to the displayed values falling above and below our hypothetical value (8.32). In our example, the difference between the corresponding percentiles (75th and median/50th) is 25 percentile units.
- e - Interpolating the ratio from the values line to the difference between the displayed percentiles. In our example, the ratio is .196 (see c above) and the difference between the percentiles is 25 (see d above). $.196 \times 25 = 4.90$ percentile units.

f - Adding the interpolated percentile units to the displayed percentile falling below our hypothetical value to arrive at the estimated percentile rank of our hypothetical library. For example, $4.90 + 50 = 54.90 = 55\text{th}$ percentile.

It should be noted that this procedure assumes that the size of the intervals between values is constant throughout the distribution. Quite often there is slight variability in their size, so that ranks computed by this method must be considered estimates.

Looking at More than One Statistical Measure

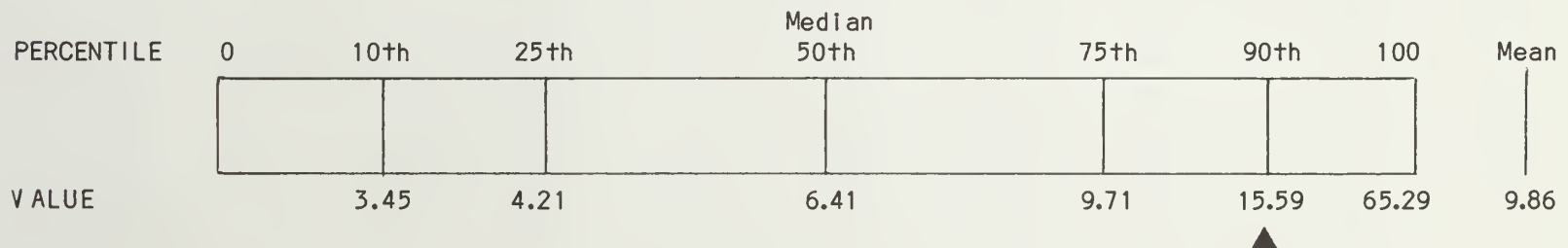
For each indicator it is most useful to review the results of the statistical measures in conjunction with one another. Another look at Summary Table D indicates that the hypothetical library mentioned in Example A has a salary expenditures per capita figure equal to the mean figure (8.32) of the population group.

Therefore, while we may say that salary expenditures per capita are equal to the "average" for this population group, it remains true that for our hypothetical municipality, per capita salary expenditures are greater than or equal to 55% of the reporting municipalities in this population group.

Another illustration of the value of looking at more than one measure follows.

EXAMPLE B: In some cases, percentile values may be used effectively to qualify the minimal information provided by the range of values for an indicator and population group. For example, a library in a hypothetical municipality in the 1 to 1,999 population group (group 1) could have a total operating income of \$15.59 per capita.

From Summary Table A, we see that 15.59 equals the value of the 90th percentile and falls almost one quarter of the way between the range (1.04 through 65.29) of total operating income per capita of all reporting libraries in this population group.



Based on this information, we may say, therefore, that even though the hypothetical library's total operating income per capita is only about one quarter as much as that of the library with the highest value in the population group (\$65.29), it still has a total operating income per capita greater than or equal to that of 90% of the libraries in this population group.

Using Other Bases of Comparison

We urge readers not to restrict themselves to comparisons by population groupings. Other indicators or combination of indicators in the report or from other sources which measure municipal revenue capacity may be used to group similar libraries and to form the basis of comparison among them. From the Municipal Tables in this report, a reader may identify municipalities having similar values for one or more of the support and activity indicators and thereby establish a group of similar libraries, regardless of population served.

Section One: Summary Tables

TABLE A - TOTAL OPERATING INCOME PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1985

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	1.04 - 65.29	3.45	4.21	6.41	9.71	15.59	9.86
2,000 - 4,999	48	2.04 - 55.51	3.76	6.94	9.16	15.24	20.53	12.06
5,000 - 9,999	67	1.38 - 34.46	4.30	6.68	10.61	13.79	17.05	11.07
10,000 - 24,999	89	4.24 - 42.70	6.56	7.64	11.75	16.30	20.13	12.78
25,000 - 49,999	40	3.48 - 29.79	6.85	9.46	12.75	16.38	22.44	13.96
50,000 - 99,999	18	5.04 - 29.10	5.30	7.90	9.39	11.15	15.94	10.92

TABLE B - APPROPRIATED MUNICIPAL INCOME PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1985

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	0.99 - 53.32	2.86	3.85	5.70	7.79	11.07	8.30
2,000 - 4,999	48	1.71 - 37.84	3.37	5.54	8.60	14.43	19.48	10.57
5,000 - 9,999	67	1.25 - 33.91	4.12	6.34	9.40	12.58	15.95	10.22
10,000 - 24,999	89	0.60 - 29.99	5.73	7.24	11.17	15.52	18.54	11.96
25,000 - 49,999	40	2.21 - 27.96	6.72	8.43	10.78	14.94	22.37	12.86
50,000 - 99,999	18	5.04 - 28.53	5.22	7.79	8.50	10.90	15.47	10.59

TABLE C - TOTAL OPERATING EXPENDITURES PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1985

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	1.03 - 63.89	3.51	3.83	6.20	9.34	14.12	9.32
2,000 - 4,999	48	2.04 - 51.38	3.35	6.81	8.24	15.24	19.96	11.54
5,000 - 9,999	67	1.37 - 34.26	4.14	6.33	10.57	13.03	16.59	10.66
10,000 - 24,999	89	4.24 - 42.70	6.35	7.50	11.65	15.48	20.02	12.45
25,000 - 49,999	40	3.43 - 29.79	6.85	9.13	12.75	16.14	22.38	13.68
50,000 - 99,999	18	4.62 - 28.85	5.21	7.80	8.85	10.86	15.37	10.64

TABLE D - SALARY EXPENDITURES PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1985

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	0.00 - 34.01	1.00	2.01	2.76	4.70	7.13	4.57
2,000 - 4,999	48	1.03 - 24.90	1.55	3.46	5.05	8.77	12.49	6.58
5,000 - 9,999	67	0.80 - 23.82	2.41	3.95	6.31	8.02	10.84	6.64
10,000 - 24,999	89	1.73 - 26.40	3.55	5.16	7.75	10.65	12.95	8.32
25,000 - 49,999	40	2.45 - 19.86	4.78	5.77	8.74	11.00	16.69	9.28
50,000 - 99,999	18	3.40 - 19.84	3.62	5.81	6.72	8.27	11.52	7.84

TABLE E - SALARY EXPENDITURES AS PERCENT (%) OF TOTAL OPERATING EXPENDITURES

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1985

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	0 - 76	19	41	47	59	64	47
2,000 - 4,999	48	34 - 79	42	48	58	62	67	56
5,000 - 9,999	67	45 - 74	52	58	62	66	69	62
10,000 - 24,999	89	36 - 79	57	62	68	71	73	66
25,000 - 49,999	40	48 - 77	60	65	68	71	75	68
50,000 - 99,999	18	57 - 83	63	68	76	80	80	74

TABLE F - MATERIALS EXPENDITURES PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1985

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	0.52 - 20.36	0.92	1.29	1.81	2.76	4.32	2.65
2,000 - 4,999	48	0.43 - 11.38	1.21	1.86	2.27	3.87	4.84	2.93
5,000 - 9,999	67	0.41 - 6.49	1.06	1.32	2.25	2.94	3.59	2.36
10,000 - 24,999	89	0.97 - 6.43	1.21	1.65	2.17	2.87	3.66	2.37
25,000 - 49,999	40	0.60 - 5.52	0.98	1.56	2.01	2.67	3.32	2.21
50,000 - 99,999	18	0.70 - 4.84	0.84	1.06	1.19	1.53	2.35	1.54

TABLE G - MATERIALS EXPENDITURES AS PERCENT (%) OF TOTAL OPERATING EXPENDITURES

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1985

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	20 - 88	20	22	26	37	48	32
2,000 - 4,999	48	20 - 54	21	23	25	28	35	27
5,000 - 9,999	67	11 - 36	19	20	22	25	29	23
10,000 - 24,999	89	15 - 37	16	17	19	21	25	20
25,000 - 49,999	40	13 - 23	14	14	16	17	19	16
50,000 - 99,999	18	12 - 19	12	12	14	15	18	14

TABLE H - HOLDINGS PER CAPITA

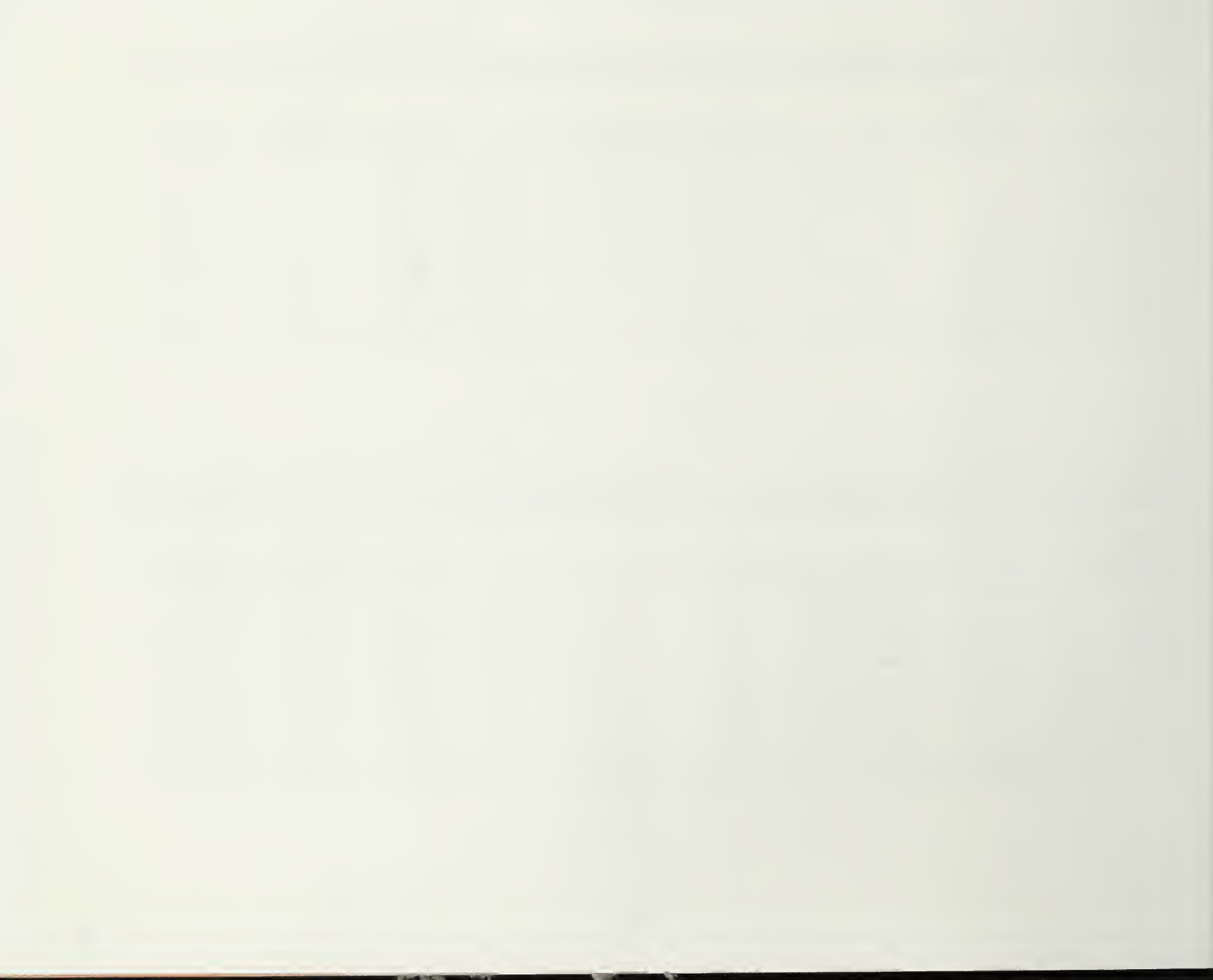
range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1985

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	55	3.18 - 84.63	3.89	5.96	8.89	12.49	20.23	12.16
2,000 - 4,999	48	2.69 - 23.48	3.15	4.35	5.82	7.78	10.33	6.82
5,000 - 9,999	67	1.23 - 9.82	2.48	3.23	4.33	5.85	7.15	4.68
10,000 - 24,999	90	0.86 - 13.23	2.11	2.95	3.65	4.65	5.86	3.97
25,000 - 49,999	40	1.39 - 12.40	1.85	2.92	3.78	4.99	6.47	4.19
50,000 - 99,999	18	1.89 - 7.05	2.07	2.58	3.33	4.12	4.53	3.51

TABLE I - CIRCULATION PER CAPITA

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1985

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	55	2.41 - 50.62	3.57	4.57	7.61	10.19	13.12	9.36
2,000 - 4,999	47	1.29 - 29.20	3.44	4.87	6.23	9.69	14.32	8.48
5,000 - 9,999	67	0.86 - 21.56	3.19	4.41	5.96	8.06	11.44	6.66
10,000 - 24,999	90	2.20 - 17.13	3.30	4.83	7.10	8.80	11.89	7.27
25,000 - 49,999	40	0.90 - 17.03	2.46	4.47	5.65	7.43	10.11	6.39
50,000 - 99,999	18	1.25 - 8.38	1.48	2.27	3.77	5.16	7.04	4.08



Section Two: Data for Individual Municipalities

Population Group I
(1-1,999)

POPULATION GROUP 1 (1 - 1,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. ALFORD	394	341	W													
2. ASHFIELD	1,458	297	W	9.25	4.23	9.25	4.87	53	1.99	22	7.55	8.78	15	15	20	0.8
3. BECKET	1,339	299	W	6.38	4.07	5.99	0.90	15	1.36	23	26.27	9.10	10	14	12	0.3
4. BERNARDSTON	1,750	287	W								10.88	7.13			15	0.8
5. BLANDFORD	1,038	313	W	8.07	7.17	8.01	4.87	61	1.77	22	9.08	19.25	21	21	21	0.6
6. BUCKLAND	1,864	284	W	3.81	2.48	3.81	1.50	39	1.01	26	7.03	2.45	12.5	12.5	12.5	0.4
7. CHARLEMONT	1,149	308	W	3.89	2.83	3.53	2.54	72	0.85	24	10.01	2.79	10	10	10	0.3
8. CHESTER	1,123	310	W	7.62	4.27	6.52	4.42	68	1.33	20	9.05	4.90	15	15	20	0.6
9. CHESTERFIELD	1,000	316	W	5.84	5.84	5.84	3.47	59	2.07	35	9.06	8.06	15	15	15	0.4
10. CHILMARK	489	338	E	65.29	52.30	63.89	34.01	53	20.36	32	49.96	50.62	21	23	28.5	1.7
11. CLARKSBURG	1,871	283	W	3.42	3.41	3.41	2.00	59	1.31	38	4.77	10.19	26	15	25	0.7
12. COLRAIN	1,552	294	W	8.29	8.00	6.10	2.70	44	1.46	24	5.64	4.04	15	15	15	0.5
13. CONWAY	1,213	304	W													
14. CUMMINGTON	657	328	W	6.94	5.71	6.94	0.13	2	2.73	39	14.16	9.81	10	10	20	0.6
15. DUNSTABLE	1,671	290	E	8.39	6.48	7.68	4.52	59	2.67	35	11.13	6.32	14	17	15	1.1
16. EAST BROOKFIELD	1,955	282	C	7.13	6.94	6.89	4.90	71	1.36	20	5.46	9.96	30	30	30	0.9
17. EGREMONT	1,311	301	W	3.49	3.49	3.49	2.65	76	0.79	23	6.34	3.78	13	13	13	0.4
18. ERVING	1,326	300	W	6.23	6.23	6.23	2.26	36	3.90	63	16.91	9.26	10	10	6	0.3
19. FLORIDA	730	323	W	3.72	3.72	3.72	0.55	15	3.10	83	9.69	11.40	12	2	12	0.3
20. GAY HEAD	220	347	E	24.09	23.18	19.57	13.12	67	5.07	26	22.91	13.67	10	10	10	0.3
21. GILL	1,259	303	W													
22. GOSHEN	651	329	W	6.41	4.11	6.22	2.76	44	3.15	51	9.37	11.37	10	10	10	0.3
23. GOSNOLD	63	351	E													
24. GRAMMILL	1,204	305	W	9.98	9.92	9.98	3.68	37	2.78	28	7.87	6.07	17	11	10	0.6
25. HANCOCK	643	331	W													
26. HEATH	482	339	W	12.55	11.72	12.55	7.87	63	4.44	35	31.03	11.52	10	10	15	0.4

POPULATION GROUP I (1 - 1,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
27. HINSDALE	1,707	288	W	4.47	2.62	3.53	1.61	46	0.78	22	3.94	10.19	11	11	11	0.3
28. HOLLAND	1,589	292	W	3.00	3.00	2.80	1.15	41	1.23	44	3.78	3.81	10	10	10	0.3
29. HUBBARDSTON	1,797	286	C	7.75	7.43	5.22	2.62	50	1.81	35	5.59	4.39	18	12	18	0.7
30. HUNTINGTON	1,804	285	W	5.37	5.37	5.24	2.02	38	1.07	20	4.69	4.78	13	13	13	0.9
31. LEVERETT	1,471	296	W	3.64	3.64	3.64	2.14	59	1.16	32	3.84	3.42	18	15	15	0.4
32. LEYDEN	498	337	W	7.03	7.03	7.03	4.16	59	1.41	20	8.62	9.64	10	10	10	0.3
33. MIDDLEFIELD	385	342	W	2.90	2.90	2.23	1.17	53	0.94	42	14.42	7.66	10	7	10	0.3
34. MONROE	179	348	W	5.97	5.97	5.97	3.16	53	2.65	44	25.15	7.95	2	1	4	0.1
35. MONTEREY	818	322	W	15.16	15.16	15.16	8.83	58	3.10	20	7.51	12.21	11	11	18	0.6
36. MOUNT WASHINGTON	93	350	W													
37. NEW BRAINTREE	671	327	C	3.73	3.73	3.73	0.39	10	3.27	88	7.08	10.76	10	10	15	0.4
38. NEW MARLBOROUGH	1,160	307	W	4.22	4.22	4.22	1.91	45	0.91	22	3.72	9.02	11	15	13	0.4
39. NEW SALEM	688	326	W	5.51	5.10	5.31	2.46	46	1.50	28	11.93	10.69	16	16	12	0.5
40. OAK BLUFFS	1,984	280	E													
41. OAKHAM	994	317	C	10.18	9.56	10.18	5.38	53	2.09	21	15.39	12.57	15.5	14.5	15.5	0.8
42. OTIS	963	318	W													
43. PELHAM	1,112	311	W	6.59	4.28	4.54	2.03	45	2.51	55	6.43	3.89	14	14	10	0.3
44. PERU	633	333	W	1.04	0.99	1.03	0.00	0	0.52	51	9.50	4.45	10	10	0.0	0.0
45. PETERSHAM	1,024	314	C	23.36	3.86	22.90	6.01	26	4.70	21	17.05	8.59	23.5	23.5	13.5	0.8
46. PHILLIPSTON	953	320	C	4.30	3.87	3.83	1.47	38	1.53	40	8.73	4.82	10	10	10	0.3
47. PLAINFIELD	425	340	W	10.72	8.53	10.71	5.76	54	4.15	39	17.54	16.88	13.5	13.5	10	0.4
48. PLYMPTON	1,974	281	E	10.09	10.09	9.92	5.97	60	2.95	30	7.24	5.81	28	28	30	1.2
49. RICHMOND	1,659	291	W	4.19	4.19	4.19	2.67	64	1.19	28	3.50	6.68	11	11	11	0.5
50. ROWE	336	344	W	53.32	53.32	53.32	23.88	45	10.71	20	84.63	47.35	15	15	15	0.4
51. ROYALSTON	955	319	C	8.14	8.14	8.15	3.24	40	1.69	21	8.10	4.61	15	15	15	0.4
52. RUSSELL	1,570	293	W	5.63	5.63	5.36	2.66	50	2.15	40	3.18	3.09	20.5	20.5	10	0.7

POPULATION GROUP I (1 - 1,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
53. SANDISFIELD	720	324	W	6.23	6.23	6.23	3.07	49	2.16	35	7.08	5.20	14	16	8	0.4
54. SAV OY	644	330	W													
55. SHUTESBURY	1,049	312	W	3.35	2.10	3.72	1.67	45	1.28	34	4.21	2.41	10	10	10	0.3
56. TOLLAND	235	346	W													
57. TRURO	1,486	295	E	9.43	8.89	9.43	4.42	47	2.04	22	11.62	5.92	14	24	19	0.6
58. TYRINGHAM	344	343	W													
59. WALES	1,177	306	W	5.48	5.39	5.47	2.22	41	1.42	26	6.06	4.15	12	22	15	0.4
60. WARWICK	603	334	W	15.87	7.93	10.20	4.41	43	2.27	22	14.15	9.04	10	10	10	0.3
61. WENDELL	694	325	W	6.20	6.20	6.20	2.91	47	1.27	20	11.43	3.72	10	10	10	0.3
62. WEST STOCKBRIDGE	1,280	302	W	4.01	3.84	3.82	2.01	53	1.30	34	4.55	6.68	12	12	12	0.3
63. WEST TISBURY	1,010	315	E	34.24	33.32	32.06	19.53	61	7.56	24	14.75	21.68	16	22	20	1.8
64. WESTHAMPTON	1,137	309	W	7.89	7.64	7.89	3.82	48	1.80	23	7.59	7.55	16	16	16	0.6
65. WHATELY	1,341	298	W	11.29	5.70	11.29	5.17	46	2.35	21	11.16	8.10	16	16	25	1.3
66. WINDSOR	598	335	W													
67. WORTHINGTON	932	321	W	11.35	6.11	9.20	3.09	34	2.08	23	10.57	6.64	11	11	10	0.4

Population Group II
(2,000 -4,999)

POPULATION GROUP II (2,000 - 4,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. ASHBURNHAM	4,075	238	C	7.57	6.35	7.57	4.11	54	1.92	25	4.35	6.33	33	49	29.2	2.2
2. ASHBY	2,311	273	C													
3. BARRE	4,102	237	C	13.10	9.80	13.10	6.48	50	3.54	27	5.85	3.82	23	23	35	2.1
4. BERKLEY	2,731	266	E	4.63	4.63	4.63	2.06	45	1.30	28	4.41	2.54	15	11	18	0.9
5. BERLIN	2,215	276	C	10.12	9.08	9.20	6.11	66	2.28	25	4.21	6.44	20	20	20	1.3
6. BOLTON	2,530	267	C	7.91	7.91	7.91	4.19	53	2.14	27	5.61	6.72	16	16	25	1.3
7. BOXBOROUGH	3,126	256	C	7.84	7.84	7.84	4.86	62	2.00	25	6.29	7.54	22	22	20	1.9
8. BOYLSTON	3,470	252	C	19.22	16.16	16.99	9.65	57	4.38	26	5.65	6.65	30.5	30.5	35	3.1
9. BRIMFIELD	2,318	272	C													
10. BROOKFIELD	2,397	269	C	7.49	6.85	7.22	3.46	48	2.08	29	6.19	6.23	21	21	21	0.9
11. CARLISLE	3,306	253	E	20.18	19.42	19.77	12.71	64	5.83	29	8.14	19.75	58	58	37	3.6
12. CHESHIRE	3,124	257	W	3.42	1.71	2.41	1.03	43	1.31	54	9.11	5.39	15	15	15	0.4
13. DEERFIELD	4,517	230	W	5.77	5.77	5.49	2.90	53	1.95	35	9.68	5.53	37.5	26	20	2.1
14. DOUGLAS	3,730	248	C	6.95	6.27	6.06	3.75	62	1.23	20	3.81	3.00	21	18	20	1.5
15. DOWER	4,703	228	E	14.67	14.43	13.90	8.30	60	3.71	27	7.78	7.94	50	36	37	3.4
16. EASTHAM	3,472	251	E	14.67	13.85	13.74	8.93	65	3.35	24	4.85	13.93	38	44	35	2.7
17. EDGARTOWN	2,204	278	E	55.51	37.84	51.38	24.90	48	11.38	22	15.69	16.98	34.5	40	26.4	3.6
18. ESSEX	2,998	261	E	6.97	4.92	6.87	4.13	60	1.87	27	5.43	6.23	27	22	27	1.1
19. HADLEY	4,125	236	W	8.04	7.36	7.88	4.00	51	2.27	29	4.59	4.44	41	41	35	1.5
20. HAMPDEN	4,745	227	W	5.48	5.28	5.28	3.57	68	1.38	26	3.07	5.42	26	21	26	2.2
21. HARDWICK	2,272	274	W	6.94	3.76	6.94	2.37	34	1.62	23	6.00	3.63	20.5	20.5	15	0.9
22. HATFIELD	3,045	259	W	6.47	6.47	6.39	2.93	46	2.05	32	8.71	5.83	15	8.5	20	1.1
23. HOPEDALE	3,905	242	C	19.62	15.72	17.39	8.12	47	4.19	24	7.54	9.53	30	22	30	2.9
24. LANESBOROUGH	3,131	255	W	2.04	2.03	2.04	1.61	79	0.43	21	3.17	4.68	15	15	15	0.6
25. MARION	3,932	241	E	15.24	11.60	15.24	8.49	56	3.87	25	7.80	10.90	36.5	36.5	40	2.9
26. MASHPEE	3,700	249	E	9.16	9.06	8.72	5.87	67	1.92	22	2.76	4.74	26	29	25	1.7

POPULATION GROUP II (2,000 - 4,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
27. MENDON	3,108	258	C	3.31	3.31	2.92	1.26	43	1.12	38	7.43	1.29	19	15	9.7	0.6
28. MERRIMAC	4,451	231	E	10.23	10.07	10.29	7.45	72	2.06	20	4.89	5.65	52	48	40	4.2
29. MIDDLETON	4,135	235	E	17.36	17.31	17.30	10.79	62	3.93	23	7.78	7.02	50	30	30	4.5
30. NAHANT	3,947	240	E	17.54	17.54	17.54	10.04	57	4.24	24	19.19	13.53	35	51	40	4.0
31. NEWBURY	4,529	229	E	9.58	9.46	8.96	6.07	68	1.86	21	2.69	5.22	37	30	30	3.0
32. NORTH BROOKFIELD	4,150	233	C	6.58	6.58	6.58	3.23	49	1.37	21	5.02	5.72	30	30	22	1.7
33. NORTHFIELD	2,386	270	W	16.98	16.56	16.63	10.00	60	3.79	23	7.86	11.50	31	31	40	2.4
34. PAXTON	3,762	247	C	10.22	8.74	10.01	5.88	59	2.73	27	4.77	6.50	34	20	35	2.2
35. PRINCETON	2,425	268	C	10.89	9.02	10.89	5.05	46	4.02	37	5.82	10.16	21	18	21	1.6
36. PROV INCETOWN	3,536	250	E	25.66	23.18	25.48	15.06	59	5.97	23	3.48	5.37	45	45	40	4.4
37. ROCHESTER	3,205	254	E	3.39	3.39	3.33	1.33	40	0.83	25	2.94	2.30	15	15	15	0.5
38. ROWLEY	3,867	245	E	9.12	8.86	9.12	5.59	61	2.36	26	7.04	4.91	23	23	27.5	2.3
39. RUTLAND	4,334	232	C	7.52	5.54	7.48	3.15	42	2.88	39	3.47	4.98	26	22.5	22	1.8
40. SHEFFIELD	2,743	265	W	14.17	14.17	14.14	8.77	62	3.48	25	10.32	6.16	27	27	40	1.8
41. SHELBURNE	2,002	279	W	11.66	5.06	8.20	3.48	42	2.41	29	23.48	15.24	18	18	15	1.5
42. SHERBORN	4,049	239	E	23.25	22.63	23.25	13.90	60	4.65	20	10.35	10.69	56	43	37.5	5.4
43. SOUTHAMPTON	4,137	234	W	9.42	8.60	8.15	5.09	62	2.04	25	4.73	7.36	18	18	22	2.2
44. STOCKBRIDGE	2,328	271	W													
45. SUNDERLAND	2,929	263	W	3.84	3.31	3.35	1.19	36	1.15	34	3.18	3.69	18	18	19	0.6
46. TISBURY	2,972	262	E													
47. UPTON	3,886	244	C	7.13	6.14	7.13	4.17	59	2.89	41	7.45	6.94	42	42	40	1.7
48. WARREN	3,777	246	C	8.54	7.58	8.24	3.93	48	2.07	25	3.76	4.76	26.5	29	35	1.7
49. WELLFLEET	2,209	277	E	27.45	26.05	26.10	19.31	74	5.53	21	10.74	23.61	34	35	35	3.6
50. WENHAM	3,897	243	E	21.93	19.74	20.71	12.44	60	4.84	23	7.38	21.35	33	29	32.5	3.8
51. WEST BROOKFIELD	3,026	260	C	6.81	3.74	6.81	4.05	59	1.37	20	5.73	11.34	24	24	19	1.4
52. WEST NEWBURY	2,861	264	E	17.37	16.48	17.37	10.02	58	4.86	28	7.02	29.20	30	27	40	2.8

POPULATION GROUP II (2,000 - 4,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
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53. WILLIAMSBURG	2,237	275	W													

Population Group III
(5,000-9,999)

POPULATION GROUP III (5,000 - 9,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. ACUSHNET	8,704	164	E			*										
2. ASHLAND	9,165	157	E								3.81	4.66			30	3.3
3. AVON	5,026	226	E	13.13	12.57	13.13	7.98	61	2.72	21	7.00	5.96	49	42.5	35	3.8
4. AYER	6,993	184	C	9.29	9.02	9.29	5.53	60	2.36	25	2.71	3.18	45	45	40	3.8
5. BELCHERTOWN	8,339	169	W	4.15	4.15	4.15	2.27	55	1.19	29	2.49	3.64	25	15	25	2.2
6. BLACKSTONE	6,570	192	C													
7. BOXFORD	5,374	217	E	17.02	16.31	17.02	10.82	64	3.81	22	7.15	9.24	58	58	40	5.1
8. BREWSTER	5,226	220	E	19.27	15.01	16.10	8.95	56	3.52	22	3.84	10.25	26	22.5	35	4.3
9. CARVER	6,988	185	E	6.25	5.97	5.91	3.67	62	1.32	22	2.78	4.82	34	34	35	2.3
10. CHARLTON	6,719	191	C													
11. CHATHAM	6,071	202	E	13.65	8.73	12.33	6.51	53	2.68	22	6.11	13.62	29	29	35	3.3
12. CHASSET	7,174	179	E	23.28	22.72	23.28	16.55	71	5.02	22	7.15	12.02	53	50	35	7.8
13. DALTON	6,797	190	W	9.66	9.22	9.36	6.01	64	2.24	24	4.84	7.77	37.5	37.5	40	3.8
14. DIGHTON	5,352	218	E	2.64	2.64	2.64	1.48	56	0.77	29	3.17	3.43	15	15	15	0.8
15. DUDLEY	8,717	163	C	6.41	6.41	6.41	3.99	62	1.28	20	3.29	4.90	54	48	40	3.3
16. EAST BRIDGEWATER	9,945	152	E	12.70	12.29	12.39	8.75	71	2.42	20	5.01	5.23	52	47	35	8.1
17. FREETOWN	7,058	182	E	3.44	2.76	2.72	1.34	49	0.93	34	2.63	2.85	28	28	12	1.2
18. GEORGETOWN	5,687	210	E	10.63	10.63	10.55	6.10	58	2.88	27	6.15	9.02	31	27	20	3.2
19. GRANBY	5,380	216	W	6.12	6.12	5.99	4.01	67	1.25	21	3.59	4.05	29.5	25.5	35	2.3
20. GREAT BARRINGTON	7,405	174	W	14.75	13.73	13.90	7.15	51	3.04	22	9.82	9.01	49	48.5	40	6.2
21. GROTON	6,154	201	C	12.65	11.27	12.29	8.38	68	2.73	22	7.55	7.48	35	25	36	5.0
22. GROVELAND	5,040	225	E	7.09	4.91	6.94	3.83	55	2.48	36	4.05	5.95	26	23	25.5	2.1
23. HALIFAX	5,513	213	E	10.71	10.45	10.69	7.27	68	1.98	19	4.00	7.17	46	46	40	3.6
24. HAMILTON	6,960	187	E	17.11	16.90	17.11	9.96	58	4.75	28	5.27	8.18	46	35	40	5.6
25. HANSON	8,617	165	E	5.32	5.27	4.78	3.14	66	1.07	22	2.44	3.55	40	34	35	2.4
26. HARWICH	8,971	159	E	11.87	9.90	10.98	5.88	54	2.53	23	7.38	12.87	46	48	35	6.5

POPULATION GROUP III (5,000 - 9,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS W IN	OPEN SUM	HRS IN WORK WEEK	FTE
27. HOPKINTON	7,114	180	C	10.93	10.04	10.95	6.58	60	1.87	17	4.34	10.77	28	25	35	5.4
28. HULL	9,714	153	E	7.20	7.20	7.20	4.93	69	1.39	19	5.15	4.00	49	48	35	3.9
29. KINGSTON	7,362	176	E	14.20	13.56	12.99	7.86	61	3.49	27	5.60	7.18	35	32.5	35	4.7
30. LAKEVILLE	5,931	206	E													
31. LANCASTER	6,334	197	C	17.03	12.60	16.69	7.74	46	3.44	21	7.06	4.75	40	37	35	4.5
32. LEE	6,247	198	W	14.74	13.00	14.53	7.38	51	2.84	20	8.38	7.55	38	38	35	3.5
33. LEICESTER	9,446	155	C	4.96	4.96	4.88	3.13	64	0.99	20	1.73	2.76	35	28	32	3.1
34. LENOX	6,523	193	W													
35. LINCOLN	7,098	181	E	34.46	33.91	34.26	23.82	70	6.49	19	9.14	12.18	59.5	52.5	37.5	11.7
36. LITTLETON	6,970	186	C	9.84	9.11	9.79	6.77	69	1.98	20	6.86	9.53	47	47	40	4.4
37. LUNENBURG	8,405	167	C	10.84	10.51	10.84	7.09	65	2.26	21	3.25	6.98	48	48	37.5	4.9
38. MANCHESTER	5,424	215	E	16.34	15.80	15.83	10.10	64	3.57	23	8.56	9.83	45	39	37.5	4.2
39. MATTAPOISETT	5,597	212	E	7.09	7.09	6.90	4.24	61	1.50	22	3.46	6.09	26	26	26	2.7
40. MAYNARD	9,590	154	E	9.58	9.58	9.58	6.59	69	1.83	19	3.65	3.61	35	35	35	4.7
41. MEDWAY	8,447	166	E	12.26	11.12	11.12	6.85	62	2.12	19	4.31	6.26	47	38	40	5.1
42. MILLIS	6,908	188	E	8.77	8.77	8.19	5.66	69	2.17	27	6.01	4.53	42	37	35	4.4
43. MONSON	7,315	177	W	10.23	8.58	10.19	6.64	65	2.38	23	3.84	3.25	51	44	35	4.7
44. MONTAGUE	8,011	171	W	9.21	9.21	9.21	5.69	62	2.20	24	6.48	5.21	40	36	35	4.8
45. NANTUCKET	5,087	224	E													
46. NORFOLK	6,363	194	E	12.23	12.23	12.23	8.00	65	2.65	22	2.47	9.48	39	27.5	35	4.3
47. NORWELL	9,182	156	E	15.83	15.56	15.23	9.96	65	2.88	19	4.43	7.90	51	44	37.5	7.3
48. ORANGE	6,844	189	W	9.16	8.41	8.86	5.40	61	2.04	23	5.50	5.46	39	39	35	3.3
49. ORLEANS	5,306	219	E	22.20	21.19	21.27	13.12	62	4.05	19	5.33	21.56	43	36	40	6.3
50. PEPPERELL	8,061	170	C	12.20	11.96	12.04	8.94	74	1.31	11	3.40	5.10	32.5	29.5	40	5.6
51. PLAINVILLE	5,857	207	E	3.43	3.43	3.43	1.54	45	1.15	33	1.94	1.51	25	25	20.5	1.2
52. RAYNHAM	9,085	158	E	4.33	4.03	4.11	2.47	60	0.92	22	2.82	3.83	36	24	21	2.6

POPULATION GROUP III (5,000 - 9,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
53. REHOBOTH	7,570	173	E	1.38	1.25	1.37	0.80	59	0.41	30	1.23	0.86	25	16	20	1.0
54. ROCKPORT	6,345	196	E	15.04	14.43	15.04	11.08	74	3.35	22			35	35		
55. SALISBURY	5,973	205	E	8.69	8.65	8.63	5.36	62	2.11	25	4.42	6.56	49	49	37	3.2
56. SANDWICH	8,727	162	E	16.55	13.49	16.55	11.39	69	3.20	19	4.62	11.82	42	42	35	9.3
57. SHIRLEY	5,124	223	C	5.30	5.26	5.22	3.26	63	1.05	20	5.17	2.13	27	27	25	1.8
58. SOUTHBOROUGH	6,193	200	C	18.11	16.48	16.43	11.35	69	3.62	22	6.71	11.39	48	41	40	5.0
59. SOUTHWICK	7,382	175	W	4.23	4.06	3.93	2.09	53	1.30	33	1.98	3.83	40	36	35	1.8
60. STERLING	5,440	214	C	12.01	12.01	12.01	7.28	61	3.41	28	4.12	7.46	40	40	40	3.8
61. STOW	5,144	221	E	12.80	9.50	11.66	5.40	46	3.14	27	5.79	5.09	42	38	35	2.3
62. STURBRIDGE	5,976	204	C	6.77	6.47	6.73	4.39	65	1.35	20	2.85	6.86	48	48	35	2.8
63. SUTTON	5,855	208	C	5.15	5.08	5.15	3.13	61	1.29	25	3.06	3.19	27	27	23	1.9
64. TEMPLETON	6,070	203	C													
65. TOPSFIELD	5,709	209	E	20.34	19.72	18.70	10.88	58	4.43	24	6.25	11.55	46	41	37.5	5.9
66. TOWNSEND	7,201	178	C	6.26	5.40	5.65	3.47	61	1.09	19	3.59	6.25	32	25	32	2.9
67. TYNGSBOROUGH	5,683	211	E	6.08	6.08	6.08	3.76	62	1.51	25	2.92	4.60	35	32	35	2.3
68. UXBRIDGE	8,374	168	C	10.59	8.13	10.59	5.95	56	3.29	31	5.23	5.74	30	30	35	5.4
69. WARE	8,953	160	W	9.73	6.59	9.73	5.22	54	1.96	20	4.89	6.39	33	33	33	4.0
70. WEST BOYLSTON	6,204	199	C	15.74	13.57	13.62	9.29	68	2.90	21	5.35	4.88	29.5	23	35	5.4
71. WEST BRIDGEWATER	6,359	195	E	10.83	10.83	10.80	6.56	61	2.48	23	4.50	4.63	27	29	35	3.2
72. WESTMINSTER	5,139	222	C	12.36	12.08	12.29	8.09	66	2.42	20	4.30	7.27	41	35	35	3.3
73. WILLIAMSTOWN	8,741	161	W	9.37	9.30	8.80	5.32	60	1.90	22	4.01	8.02	43	40	37.5	4.5
74. WINCHENDON	7,019	183	C	8.84	6.41	5.54	3.70	67	1.20	22	3.77	4.56	30	30	35	2.9
75. WRENTHAM	7,580	172	E	11.18	11.18	11.18	7.07	63	2.46	22	2.74	5.00	51.5	47.5	35	4.0

Population Group IV
(10,000-24,999)

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. ABINGTON	13,517	119	E	8.69	7.93	8.57	5.95	69	2.04	24	2.98	4.93	49.5	42.5	35	6.5
2. ACTON	17,544	91	E	15.12	14.56	15.07	11.51	76	2.90	19	3.51	11.18	67	56	40	12.9
3. ADAMS	10,381	150	W	11.80	10.78	11.80	7.52	64	2.24	19	3.74	7.74	55	55	35	5.6
4. AMESBURY	13,971	112	E	14.39	13.63	14.19	10.31	73	2.98	21	7.57	8.81	58	58	35	10.9
5. ATHOL	10,634	148	C	11.92	11.60	11.66	7.53	65	2.27	19	3.28	8.08	62	53	40	8.1
6. AUBURN	14,845	107	C	17.44	17.25	17.23	10.35	60	3.25	19	3.53	8.37	61.5	51.5	35	11.3
7. BEDFORD	13,067	125	E	24.21	24.21	24.18	16.27	67	4.84	20	6.32	8.08	67	64	40	14.7
8. BELLINGHAM	14,300	109	E	4.24	4.24	4.24	2.93	69	1.01	24	1.80	3.00	48	42	35	4.3
9. BOURNE	13,874	113	E	11.05	11.05	11.00	7.80	71	1.84	17	3.39	5.92	58	58	37.5	8.2
10. BRIDGEWATER	17,202	94	E	15.77	15.55	14.83	10.21	69	2.48	17	3.97	7.23	58	38	35	13.9
11. BURLINGTON	23,486	68	E	10.80	10.62	10.77	7.43	69	2.30	21	2.76	4.85	61	52	35	12.8
12. CANTON	18,182	87	E	17.32	17.24	16.90	12.37	73	2.73	16	4.65	6.85	51.5	51.5	35	13.3
13. CLINTON	12,771	127	C	6.97	6.97	6.60	4.53	69	1.21	18	6.92	3.13	43	42	37	5.5
14. CONCORD	16,293	101	E	42.70	29.99	42.70	26.40	62	6.43	15	13.23	15.99	71	60	37.5	27.6
15. DANVERS	24,100	65	E	15.52	13.82	15.52	10.87	70	3.27	21	4.66	8.54	64	60	37.5	18.4
16. DARTMOUTH	23,966	66	E	12.69	12.41	12.62	8.74	69	1.90	15	4.11	8.80	63	63	35	16.4
17. DENNIS	12,360	130	E	9.13	3.31	4.79	1.73	36	1.25	26	4.28	4.68	40.5	38	35	2.7
18. DRACUT	21,249	73	E	7.88	7.80	7.80	4.55	58	1.50	19	1.78	3.28	53	43	35	8.4
19. DUXBURY	11,807	137	E	20.02	18.30	19.92	11.97	60	3.65	18	5.22	9.59	62	58	35	11.2
20. EAST LONGMEADOW	12,905	126	W	16.85	16.74	16.75	10.90	65	2.71	16	4.22	11.63	62	52	37	11.4
21. EASTHAMPTON	15,580	105	W	6.36	4.83	6.36	4.43	70	0.97	15	2.23	3.84	50	50.5	35	5.1
22. EASTON	16,623	96	E	6.72	0.60	6.91	3.55	51	1.11	16	2.91	3.97	50	28	35	6.0
23. FAIRHAVEN	15,759	103	E	11.80	10.37	11.63	6.08	52	1.83	16	5.69	4.81	60	60	37	8.8
24. FALMOUTH	23,640	67	E	21.13	18.99	20.94	13.52	65	3.41	16	5.02	12.09	51	57	37.5	24.8
25. FOXBOROUGH	14,148	110	E	13.61	13.29	12.99	8.78	68	2.58	20	4.45	6.29	43	45	35	9.0
26. FRANKLIN	18,217	86	E	7.63	7.63	7.44	5.17	69	1.17	16	2.57	5.23	50	56	35	7.5

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
27. GARDNER	17,900	90	C	12.84	11.92	12.84	8.66	67	2.50	19	3.16	8.36	62.5	54.5	37.5	12.5
28. GRAFTON	11,238	143	C	6.58	6.07	6.41	3.60	56	1.64	26	3.99	3.80	41	37	35	4.0
29. GREENFIELD	18,436	85	W	11.00	10.85	10.42	7.70	74	1.69	16	5.86	6.61	51	41	37.5	10.5
30. HANOVER	11,358	141	E	10.19	9.02	9.92	6.49	65	2.18	22	4.73	7.68	51	44	35	4.9
31. HARVARD	12,170	133	C	7.28	6.18	7.28	3.54	49	2.06	28	2.49	3.47	49	43	30	3.6
32. HINGHAM	20,339	77	E								8.96	17.13			35	21.9
33. HOLBROOK	11,140	146	E	11.52	10.57	10.39	6.61	64	2.06	20	3.68	5.68	40	40	37.5	6.5
34. HOLDEN	13,336	123	C	15.83	15.42	15.36	10.02	65	2.52	16	3.27	10.65	52	41	35	9.1
35. HOLLISTON	12,622	129	E	8.36	8.13	8.06	5.44	68	1.37	17	3.35	7.24	52	44	37.5	5.7
36. HUDSON	16,408	97	C	11.38	11.28	11.09	8.03	72	1.93	17	2.50	6.26	61	53	37.5	9.6
37. IPSWICH	11,158	145	E	13.73	13.73	13.73	9.58	70	2.80	20	5.93	7.69	54.5	42	37.5	8.4
38. LONGMEADOW	16,301	100	W	13.02	12.06	12.06	7.79	65	2.88	24	3.75	12.79	57	50	36.3	12.1
39. LUDLOW	18,150	88	W	6.67	6.65	6.48	4.19	65	1.34	21	1.80	3.26	54.5	49.5	40	6.3
40. LYNNFIELD	11,267	142	E	19.08	18.13	19.08	12.80	67	4.72	25	5.96	11.82	67	56	35	9.6
41. MANSFIELD	13,453	121	E	11.09	9.27	8.95	6.12	68	1.88	21	2.87	5.88	52	44	36	6.7
42. MARBLEHEAD	20,126	79	E	21.25	21.12	21.17	14.93	71	3.75	18	4.56	11.67	64	60	40	21.7
43. MARSHFIELD	20,916	75	E	10.16	10.06	10.05	7.95	79	1.80	18	2.73	8.54	59	59	37.5	11.4
44. MEDFIELD	10,220	151	E	9.69	8.60	9.47	5.90	62	2.02	21	3.00	7.10	53.5	48.5	37.5	5.6
45. MIDDLEBOROUGH	16,404	98	E	7.60	6.77	7.60	5.38	71	1.44	19	6.26	4.11	48	48	37.5	6.6
46. MILFORD	23,390	69	C	7.47	7.45	7.47	4.25	57	2.77	37	0.86	2.20	56	45	35	15.4
47. MILLBURY	11,808	136	C	10.03	9.57	9.01	5.43	60	2.02	22	3.00	5.89	41	41	40	7.9
48. NEWBURYPORT	15,900	102	E	14.57	12.59	12.99	8.83	68	2.58	20	4.45	6.26	53	56	35	12.2
49. NORTH ADAMS	18,063	89	W	7.31	7.31	7.30	5.72	78	1.24	17	2.35	3.30	53	49	37.5	8.4
50. NORTH ANDOVER	20,129	78	E	12.21	11.34	12.14	8.06	66	2.12	17	3.06	5.50	67	56	38	11.2
51. NORTH ATTLEBOROUGH	21,095	74	E	7.10	6.78	6.83	4.83	71	1.23	18	1.58	3.79	50	39	37	9.8
52. NORTH READING	11,455	139	E	10.73	10.67	10.67	7.40	69	2.25	21	3.19	6.44	54	48	35	6.5

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'80 POP	POP RNK	RES	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
53. NORTHBOROUGH	10,568	149	C	22.16	21.12	21.40	13.44	63	4.58	21	4.81	11.89	54	54	40	10.7
54. NORTHBRIDGE	12,246	132	C	9.41	7.86	8.97	5.15	57	2.04	23	4.10	5.07	40.5	37.5	35	4.9
55. NORTON	12,690	128	E	5.91	5.46	5.03	3.41	68	1.08	21	2.04	3.52	44	40	37	4.8
56. OXFORD	11,680	138	C	8.12	8.07	7.98	5.84	73	1.36	17	2.26	2.71	40	36	35	6.0
57. PALMER	11,389	140	W	14.95	14.31	14.95	8.78	59	2.40	16	4.51	11.22	57	47	35	10.0
58. PEMBROKE	13,487	120	E	6.32	5.90	5.69	3.45	61	1.24	22	3.23	4.77	42	42	35	3.6
59. READING	22,678	70	E	17.21	17.08	17.21	12.08	70	2.65	15	4.19	12.33	68.5	60	37.5	20.2
60. ROCKLAND	15,695	104	E	7.38	7.12	7.38	5.08	69	1.35	18	2.47	5.45	54	47	35	7.2
61. SAUGUS	24,746	63	E	6.98	6.86	6.92	5.34	77	1.08	16	3.07	3.68	61.5	50.5	37.5	9.8
62. SCITUATE	17,317	93	E	13.42	12.92	12.99	9.01	69	2.03	16	3.98	8.79	56	52	35	9.7
63. SEEKONK	12,269	131	E	10.08	9.98	9.98	7.14	72	1.95	20	3.31	8.95	49	49	32.5	7.1
64. SHARON	13,601	117	E	17.20	17.13	17.20	11.34	66	3.61	21	5.05	10.65	50.5	50.5	37.5	10.8
65. SHREWSBURY	22,674	71	C	18.89	18.32	17.85	10.75	60	3.26	18	4.28	8.17	59	55	37.5	19.8
66. SOMERSET	18,813	82	E	11.70	11.70	11.70	8.40	72	2.05	18	3.92	7.23	71	68	35	12.1
67. SOUTH HADLEY	16,399	99	W	13.03	13.02	13.03	8.96	69	2.25	17	3.32	7.95	54	48	35	9.7
68. SOUTHBRIDGE	16,665	95	C	13.29	13.03	13.35	8.13	61	2.66	20	3.31	6.01	58	58	37.5	10.5
69. SPENCER	10,774	147	C	8.08	4.97	8.08	4.95	61	2.39	30	2.73	4.96	41	41	24	3.8
70. STONHAM	21,424	72	E	17.16	15.30	15.00	9.93	66	3.04	20	3.58	7.53	59	51	35	15.0
71. SUDBURY	14,027	111	E	17.70	17.50	17.66	12.90	73	2.83	16	3.78	12.00	64	52	35	11.3
72. SWAMPSCOTT	13,837	114	E	16.45	15.86	16.45	11.92	72	3.27	20	5.34	7.61	60	52	35	11.3
73. SWANSEA	15,461	106	E	5.42	5.35	5.42	3.06	56	1.75	32	3.54	4.62	50	50	37.5	5.2
74. TEWKSBURY	24,635	64	E	6.37	6.37	6.29	4.54	72	1.06	17	1.67	2.83	58	51	37.5	6.4
75. WAKEFIELD	24,895	62	E	18.49	18.49	18.35	12.33	67	3.12	17	3.39	7.36	61	53	35	18.3
76. WALPOLE	18,859	81	E	13.58	13.25	13.45	8.54	64	3.11	23	5.04	7.61	63	55	35	12.8
77. WARHAM	18,457	83	E	6.98	6.44	6.79	4.21	62	1.87	27	1.80	4.86	53	50	35	6.0
78. WAYLAND	12,170	133	E	21.92	21.55	21.92	16.00	73	3.88	18	5.77	12.57	67	57	35	12.5

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
79. WEBSTER	14,480	108	C	7.67	7.21	7.67	5.27	69	1.71	22	3.97	5.60	45	45	35	6.5
80. WESTBOROUGH	13,619	116	C	17.79	17.16	16.96	11.65	69	3.08	18	3.60	8.76	53	53	35	11.8
81. WESTFORD	13,434	122	E	16.54	16.54	16.23	11.45	71	2.81	17	3.65	7.75	59	44	38	12.4
82. WESTON	11,169	144	E	23.76	23.14	23.03	16.22	70	4.19	18	5.26	12.66	61	53	37.5	13.8
83. WESTPORT	13,763	115	E	6.29	6.21	6.26	4.11	66	1.07	17	2.22	5.01	48	48	35	4.9
84. WESTWOOD	13,212	124	E	26.64	26.50	26.56	19.45	73	4.15	16	7.51	11.05	67	60	35	15.2
85. WHITMAN	13,534	118	E	5.60	3.93	4.65	2.57	55	1.43	31	2.11	2.26	48.5	45.5	35	3.6
86. WILBRAHAM	12,053	135	W	13.51	13.23	13.32	7.69	58	2.39	18	4.36	8.64	59	52	35	7.5
87. WILMINGTON	17,471	92	E	12.09	12.09	12.04	9.44	78	2.16	18	4.46	7.00	60	52	35	10.1
88. WINCHESTER	20,701	76	E	24.71	24.06	24.50	16.83	69	3.88	16	5.61	12.06	63	44.5	35	20.8
89. WINTHROP	19,294	80	E	8.81	8.81	8.81	6.92	79	1.32	15	4.65	3.55	50	43	35	9.5
90. YARMOUTH	18,449	84	E	7.05	5.76	6.88	3.35	49	1.88	27	3.52	9.62	50	50	35	6.6

Population Group V
(25,000-49,999)

POPULATION GROUP V (25,000 - 49,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. AGAWAM	26,271	57	W	9.81	9.72	9.29	6.19	67	1.61	17	3.18	4.85	65	57	35	11.1
2. AMHERST	33,229	41	W	16.38	14.83	16.15	10.52	65	2.70	17	3.77	7.13	63	59	37.5	30.5
3. ANDOVER	26,370	56	E	26.34	26.34	26.34	17.00	65	4.42	17	7.03	12.80	71	60	37.5	30.5
4. ARLINGTON	48,219	22	E	16.52	16.00	16.14	11.90	74	2.61	16	2.87	7.60	68	60	35	38.9
5. ATTLEBORO	34,196	40	E	8.40	7.55	8.39	5.14	61	1.64	20	3.15	4.42	63	50.5	35	16.1
6. BARNSTABLE	30,898	43	E	22.44	14.92	22.29	10.72	48	3.63	16	4.99	7.78	65	65	35	20.6
7. BELMONT	26,100	58	E	23.32	23.32	22.79	17.18	75	3.02	13	5.19	10.66	69	65	35	27.6
8. BEVERLY	37,655	30	E	14.28	13.66	13.39	9.11	68	2.85	21	3.78	6.20	69	60	35	22.4
9. BILLERICA	36,727	32	E	7.13	7.13	7.06	4.78	68	0.98	14	1.50	3.20	64	56	37.5	11.7
10. BRAINTREE	36,337	36	E	14.69	14.40	13.80	9.40	68	2.01	15	2.91	5.39	61	52.5	38	24.0
11. CHELMSFORD	31,174	42	E	14.49	13.95	13.88	9.75	70	2.35	17	3.21	6.96	68	65	37.5	22.7
12. CHELSEA	25,431	60	E	9.14	9.14	9.13	7.04	77	1.51	16	5.95	4.51	63	42	35	12.0
13. DEDHAM	25,298	61	E	14.90	13.97	14.67	10.33	70	2.06	14	6.47	5.79	64	64	37.5	17.9
14. EVERETT	37,195	31	E	10.85	10.38	10.47	7.94	76	1.68	16	5.28	4.32	72	56	37	22.1
15. FITCHBURG	39,580	28	C	16.12	14.94	16.12	10.70	66	2.43	15	4.43	6.52	65	54	37.5	30.4
16. GLOUCESTER	27,768	52	E	12.19	10.32	12.09	9.28	77	1.71	14	3.82	5.32	63	59	40	15.0
17. HAVERTHILL	46,865	23	E	10.65	8.38	10.65	7.08	67	1.61	15	3.71	4.59	65.5	61.5	40	24.7
18. HOLYOKE	44,678	26	W	6.35	4.70	5.56	3.33	60	0.98	18	3.26	2.45	64	56	35	13.9
19. LEOMINSTER	34,508	38	C	10.56	10.31	10.56	7.15	68	1.92	18	3.12	4.86	58	54	37.5	18.2
20. LEXINGTON	29,479	47	E	29.79	26.23	29.79	19.86	67	4.56	15	7.36	17.03	70	66	37	42.7
21. MARLBOROUGH	30,617	44	E	11.09	10.78	10.99	7.83	71	1.49	14	3.86	6.39	66	54	35	17.5
22. MELROSE	30,055	45	E	12.57	10.33	10.45	6.84	65	2.35	23	3.99	6.91	64	56	37	17.3
23. METHUEN	36,701	33	E	5.45	2.21	4.39	2.60	59	0.89	20	1.39	2.46	63	51	35	10.1
24. MILTON	25,860	59	E	15.98	15.23	15.61	11.32	73	2.47	16	5.41	7.43	68	60	37.5	19.1
25. NATICK	29,461	48	E	18.16	16.71	18.10	12.70	70	2.67	15	4.59	7.99	68.5	56.5	37.5	23.5
26. NEEDHAM	27,901	51	E	20.38	19.66	19.93	13.56	68	3.32	17	4.63	10.11	68	64	37.5	25.0

POPULATION GROUP V (25,000 - 49,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
27. NORTHAMPTON	29,286	49	W	17.48	13.88	17.22	11.87	69	2.87	17	12.40	9.00	69	69	37.5	30.4
28. NORWOOD	29,711	46	E	15.22	15.22	15.22	11.00	72	2.08	14	2.92	6.41	72	60	35	19.1
29. PEABODY	45,976	24	E	9.71	8.43	9.71	5.37	55	1.61	17	2.00	2.33	69	65	35	17.4
30. PLYMOUTH	35,913	37	E	11.59	10.36	11.41	7.58	66	1.64	14	1.85	5.08	60	55	37.5	18.6
31. RANDOLPH	28,218	50	E	7.79	7.79	7.74	5.40	70	1.31	17	2.51	5.54	60	46	35	10.7
32. REVERE	42,423	27	E	3.48	3.48	3.43	2.45	72	0.60	18	1.65	0.90	65	53	40	10.8
33. SALEM	38,220	29	E	14.08	12.51	13.74	9.17	67	2.59	19	4.78	4.47	64	64	35	23.0
34. STOUGHTON	26,710	55	E	13.10	13.10	13.10	8.74	67	2.25	17	4.07	5.65	64	56	35	14.7
35. TAUNTON	45,001	25	E	8.10	7.86	8.10	5.77	71	1.40	17	5.59	4.35	64	55	35	22.6
36. WATERTOWN	34,384	39	E	22.43	22.37	22.38	16.69	75	2.89	13	3.71	6.46	61	49	37	35.4
37. WELLESLEY	27,209	53	E	28.53	27.96	28.53	18.67	65	5.52	19	6.82	14.71	66	63	35	34.2
38. WEST SPRINGFIELD	27,042	54	W	9.46	9.09	8.95	5.60	63	1.56	17	3.45	5.33	52	51	37.5	12.7
39. WESTFIELD	36,465	35	W	12.75	10.46	12.75	8.40	66	1.73	14	4.11	8.91	63	54.5	37	23.5
40. WOBURN	36,626	34	E	6.85	6.72	6.85	5.22	76	0.96	14	2.81	2.61	64	50	37.5	13.6

Population Group VI (50,000-99,999)

POPULATION GROUP VI (50,000 - 99,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. BROCKTON	95,172	6	E	8.25	8.11	8.25	6.63	80	0.97	12	3.06	3.77	64	52	35	43.7
2. BROOKLINE	55,062	19	E	29.10	28.53	28.85	19.84	69	4.84	17	7.05	8.38	63	61	37	60.5
3. CAMBRIDGE	95,322	5	E	15.41	15.36	15.08	11.88	79	1.89	13	4.55	6.35	68	60	37.5	67.3
4. CHICOPEE	55,112	18	W	7.74	7.66	7.66	5.83	76	1.15	15	1.89	3.43	63	49	35	25.6
5. FALL RIVER	92,574	7	E	5.36	5.26	5.36	3.40	64	1.02	19	4.10	2.32	64	56	35	30.2
6. FRAMINGHAM	65,113	13	E	15.88	15.32	15.27	11.43	75	2.73	18	3.36	7.26	67.5	60.5	37.5	46.1
7. LAWRENCE	63,175	14	E	8.05	7.93	7.93	4.55	57	1.10	14	3.82	1.25	64	56	35	19.6
8. LOWELL	92,418	8	E	5.04	5.04	4.62	3.68	80	0.70	15	2.11	1.54	63.5	49	35	23.6
9. LYNN	78,471	11	E	8.28	7.92	8.22	6.43	78	1.19	15	3.33	2.17	63	43	35	35.0
10. MALDEN	53,386	20	E	9.39	8.50	8.85	5.78	65	1.65	19	4.14	2.62	63	51	35	22.7
11. MEDFORD	58,076	16	E	9.91	9.91	9.79	7.73	79	1.19	12	2.20	2.49	65	57	35	24.9
12. NEW BEDFORD	98,478	4	E	9.55	8.43	9.55	7.04	74	1.23	13	4.53	3.84	64	64	35	54.2
13. NEWTON	83,622	10	E	16.18	15.90	15.77	10.59	67	2.25	14	4.37	5.75	68	62	37.5	71.7
14. PITTSFIELD	51,974	21	W	9.81	9.43	9.39	7.64	81	1.15	12	3.80	6.98	63	59	35	28.3
15. QUINCY	84,743	9	E	12.28	11.88	11.92	8.80	74	1.41	12	2.61	4.57	62	54	35	38.4
16. SOMERVILLE	77,372	12	E	10.01	9.37	8.88	7.08	80	1.36	15	2.78	2.22	61	57	35	37.9
17. WALTHAM	58,200	15	E	7.28	7.28	7.28	6.02	83	0.88	12	2.55	3.97	63	53	35	21.1
18. WEYMOUTH	55,601	17	E	9.06	8.82	8.85	6.72	76	1.09	12	2.85	4.44	67	56	35	26.1

Population Group VII (100,000 +)

POPULATION GROUP VII (100,000+)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. BOSTON	562,994	1	E	21.51	20.77	21.20	13.51	64	3.11	15	15.29	3.14	68	64	35	519.5
2. SPRINGFIELD	152,319	3	W	23.17	20.90	23.17	16.09	69	3.21	14	4.39	6.62	64	52	37.5	148.2
3. WORCESTER	161,799	2	C	16.60	15.69	14.60	10.64	73	2.10	14	5.56	4.32	67	54.5	40	129.3

Section Three:
FY86 Library Incentive Grant Application
Page 2

Annual Report Information Survey
Last Page

A. TOTAL OPERATING INCOME (round cents to whole dollars)

1. Appropriated Municipal Income

- a. Municipal Appropriation
- b. Carry-over
- c. Library Incentive Grant
- d. Dog Tax Fund
- e. Federal Revenue Sharing
- f. Additional Aid to Public Libraries
- g. Other

BOX A

Total
Appropriated
Municipal Income

2. Additional Monies — Nongrant

- a. Trusts and Endowments
- b. Monetary Gifts
- c. Miscellaneous

3. Additional Monies — Grant (do not report with expenditures)

- a. Non-governmental Grants
- b. LSCA
- c. Other Federal Grants
- d. Other State Grants
- e. Regional PL Systems' Monies

C. CAPITAL PROGRAMS & OUTLAYS*

1. Income

- a. Appropriated
Municipal Income
- b. Additional Aid to Public Libraries
- c. Additional Monies

BOX C1**TOTAL****BOX C2**

2. Expenditures

* Funds reported in Section C should not be reported Sections A or B. **Please see Instructions.**

B. TOTAL OPERATING EXPENDITURES (round cents to whole dollars)

Report from A1 and A2 above, exclude A3 above.

1. Salaries

Box B1

Total Salary
Expenditures

2 a. Library Print Materials

- 1. books.....
- 2. periodicals.....
- 3. microforms.....

Library Print Materials
Expenditures Subtotal

Box B2

Total Materials
Expenditures

b. Library Non-Print &
Additional Materials**Box B3**

Other Operating
Expenditures

3. Other Operating Expenditures

Box B

Total Operating
Expenditures

INSTRUCTIONS - FISCAL YEAR 1986 LIBRARY INCENTIVE GRANT APPLICATION

READ THESE INSTRUCTIONS BEFORE COMPLETING THE APPLICATION: We encourage you to also call the Library Incentive Grant Unit staff at 1-800-952-7403 or 267-9400 if you have any questions.

Instructions corresponding to each page of the Application are separated below by a broken horizontal line. Instructions for the various sections and standards covered on each page of the Application are separated below by a solid horizontal line.

PLEASE NOTE: The Board of Library Commissioners is studying implementation of the municipal appropriation statute and has requested an opinion from the Attorney General concerning differentiating between capital expenditures from operating appropriations and capital expenditures from bond revenues. Since an opinion was not received by the printing deadline for this application and instructions, we ask that financial data continue to be reported as on past applications, that is:

- capital income and expenditures be reported separately in Section C
- operating income (excluding capital) be reported separately in Section A
- operating expenditures (excluding capital) be reported separately in Section B

To assist in any followup which may be necessary after the Board receives an opinion, would you please circle line C1a and Box C2 if any of the library's capital income and expenditures were from revenues raised by issuing bonds.

Please contact the Library Incentive Grant Unit if you have any questions.

p1 At the bottom of the page give the inclusive dates of the fiscal year for which you are reporting only if it differs from FY85, that is 1 July 1984 through 30 June 1985.

p2 A **TOTAL OPERATING INCOME** (Do not report cents, please round to whole dollars)

Exclude - income earmarked for capital programs and outlays

p2 A1 **Appropriated Municipal Income**

A1a **Municipal Appropriation**

Include + funds appropriated for operating expenditures
 + appropriations received through the supplemental budget process

Exclude - and report separately, if possible, these sources of income. Such reporting helps identify the frequency with which various sources contribute to public library funding

- Carry-over from FY84
- Library Incentive Grant
- Dog Tax Fund
- Federal Revenue Sharing
- Additional Aid to Public Libraries
- Other (appropriated)
- Regional Public Library Systems' monies

A1b **Carry-over:** Enter "Included in 1a,c,d,e,f,g" as appropriate if carry-over is already reported elsewhere.

Include + FY84 appropriated monies which were unencumbered and unexpended that year and authorized by the municipality for operating expenses during FY85

A1c **Library Incentive Grant:** Enter "Included in 1a" if the amount of the Library Incentive Grant is already reported in "Municipal Appropriation" above.

Include + only the amount of funds authorized by the municipality during FY85 for the library's operating expenses

Exclude - Additional Aid to Public Libraries

A1d **Dog Tax Fund:** Enter "Included in 1a" if the amount is already reported above.

Include + only if funds were authorized by the municipality for the library's operating expenses

A1e **Federal Revenue Sharing:** Enter "Included in 1a" if the amount is already reported in "Municipal Appropriation" above.

Include + only if authorized by the municipality for the library's operating expenses

A1f **Additional Aid to Public Libraries:** Enter "included in 1a" if the amount is already reported above in "Municipal Appropriation."

Include + the monies from line 15 of the FY85 Cherry Sheet if the monies were appropriated to the library to cover operating expenses. The Cherry Sheet labeled these monies as "Additional Aid to Public Libraries"; informally they have also been referred to as the "supplemental aid".

Exclude - the Library Incentive Grant monies which were noted on line 16 (labeled Public Libraries) of the FY85 Cherry Sheet.

A1g **Other** (appropriated): Enter "included in 1a" if the amount of other appropriated income is already reported in "Municipal Appropriation" above.

Include + appropriated revenue not specified elsewhere in A1a-f. Such revenue may be from fines, fees, such as from photocopiers, public access microcomputers or rentals, or the sale of inventory and fixed assets. Appropriated trust/endowment income should be reported here.

Exclude - receipts retained by the municipality and not authorized for the library's operating expenses

p2 B0x A Add lines A1a-g and place the sum to the right in B0x A labeled "Total Appropriated Municipal Income."

p2 A2 **Additional Monies - Nongrant**

A2a **Trusts and Endowments**

Include + interest or other income from trusts and endowments received between 1 July 1984 - 30 June 1985. If some or all of your trust funds and/or endowments do not follow the July - June fiscal year, please indicate that on the bottom line of page 1.

Exclude - the principal of trusts and endowments

A2b **Monetary Gifts:** Enter "include in 2a" if the amount is already reported above.

Include + monetary gifts received from civic and business organizations and foundations as well as from individuals

- Exclude** - estimated or fair market value of non-monetary gifts (such as books, paintings, furniture, etc.)
- grants from foundations or civic and business organizations

A2c **Miscellaneous:** Enter "included in 2a or b" as appropriate if the amount is already reported elsewhere

Include + other nongrant income retained by the library and not specified in A2a or b. Such revenue may be from fines, fees, such as from photocopiers or public access microcomputers or rentals, the sale of inventory and fixed assets, or proceeds from fundraising projects or consignment shops.

Exclude - receipts returned to the municipality and not authorized for the library's operating expenses

p2 A3 **Additional Monies - Grant:** Monies reported here should not be reported anywhere else on the application; exclude from sections B' and C.

A3a **Non-governmental Grants**

Include + non-governmental grant monies received as a result of a proposal prepared in response to the requirements of the grantor. Grantors may include civic and business organizations and foundations.

Exclude - state and federal governmental grant monies

A3b **LSCA**

Include + total grant monies received under the Library Services and Constructions Act between 1 July 1984 and 30 June 1985 for library operating expenses

A3c **Other Federal Grants**

Include + with the exceptions noted below, federal grant monies received between 1 July 1984 and 30 June 1985 for library operating expenses

Exclude - federal revenue sharing
- LSCA
- federally subsidized employment programs such as those under the Job Training Partnership Act and Senior Aides funded under the Older Americans Act
- federal income earmarked for capital programs and outlays

A3d Other State Grants

Include + with the exceptions of the Library Incentive Grant and the Additional Aid to Public Libraries, income from state government grants such as those awarded by the Massachusetts Arts Lottery Council.

A3e Regional PL Systems' Monies: Regional public library systems' monies apply only to the libraries contracting directly with the Board of Library Commissioners.

Include + amount of state funds received for providing contracted services

p2 B TOTAL OPERATING EXPENDITURES (Do not report cents, please round to whole dollars)
Please refer to the NOTE on page 1 of the instructions.

Include + expenditures and encumbrances from income reported above in A1a-g (Total Appropriated Municipal Income) and A2a-c (Additional Monies - Nongrant)

+ expenditures, defined as the cost of goods delivered or services rendered

+ encumbrances, defined as a contingent liability in the form of purchase orders, contracts, or salary commitments which were not yet paid as of the last day of the fiscal year, but are to be paid out of FY85 Total Appropriated Municipal Income or Additional Monies - Nongrant. An example of an encumbrance is an order for books not yet received (or paid for) on the last day of the fiscal year, but for which funds are reserved (encumbered) to pay the bill when received. If in doubt as to whether or not a particular purchase order or other commitment is an encumbrance, check with your accountant.

Exclude - expenditures and encumbrances from income reported in A3a-e (Additional Monies - Grant) and C1a-c (Capital Programs and Outlays)

p2 B1 Salaries

Include + expenditures and encumbrances from income reported in A1a-g (Total Appropriated Municipal Income) and A2a-c (Additional Monies - Nongrant) above

+ total salaries paid all staff (full-time, part-time, seasonal, substitute, hourly, etc.) holding positions routinely included in the library budget year after year

- Exclude**
- contracted building maintenance services
 - salaries paid with federal monies (LSCA, the Job Training Partnership Act, etc.) other than federal revenue sharing
 - salaries paid by other municipal departments
 - pension and fringe benefit expenditures (if either or both are paid from the library's Total Appropriated Municipal Income and/or Additional Monies - Nongrant, include the amount expended in "Other Operating Expenditures" Box B3 below.)

p2 Box B1 Place the amount of salary expenditures/encumbrances to the right in Box B1 labeled "Total Salary Expenditures."

p2 B2a1-3 Library Print Materials

- Include**
- + expenditures and encumbrances from income reported in A1a-g (Total Appropriated Municipal Income) and A2a-c (Additional Monies - Nongrant) above
 - + for books, the amount expended and encumbered for books and other printed materials catalogued or made ready for use (processed) in the same manner as books
 - + separate amounts for periodicals and microforms, if possible

p2 Sub-
total Add lines B2a1-3 and place the total below in the box labeled "Library Print Materials Expenditures Subtotal."

p2 B2b Library Non-Print and Additional Materials

- Include**
- + expenditures and encumbrances for income reported in A1a-g (Total Appropriated Municipal Income) and A2a-c (Additional Monies - Nongrant) above
 - + audio recordings (disc, reel-to-reel tape, and cassette audio recordings)
 - + 8 and 16mm films if they are part of the library's permanent collection
 - + other AV materials which require the use of special equipment to be seen or heard
 - + additional non-book library materials which do not require the use of special equipment to be seen or heard, e.g., maps, art prints, globes, vertical file material, and games
 - + microcomputer software

p2 Box B2 Add the amounts reported in the box marked Library Print Materials Expenditures Subtotal and on line B2b (Library Non-Print and Additional Materials) and place the total to the right in Box B2 labeled "Total Materials Expenditures."

p2 B3 Other Operating Expenditures

Include expenditures and encumbrances:

- + from income reported in A1a-g (Total Appropriated Municipal Income) and A2a-c (Additional Monies - Nongrant) above
- + for all purposes other than salaries and materials
- + for items such as the following, for example:
 - maintenance of plant; electricity
 - telephone and telecommunications
 - equipment and film rentals
 - equipment maintenance contracts
 - annual network and consortium membership fees
 - supplies, postage; binding and rebinding
 - fees for speakers; pension and fringe benefit costs
 - creation of machine-readable records

Exclude - expenditures and encumbrances from income reported in A3a-e (Additional Monies - Grant) and C1a-c (Capital Programs and Outlays) above

p2 Box B3 Place the amount to the right in Box B3 labeled "Other Operating Expenditures."

p2 Box B Total Operating Expenditures

Add Boxes B1, B2, and B3 and place the total to the right in Box B labeled "Total Operating Expenditures."

p2 C

CAPITAL PROGRAMS AND OUTLAYS

Please refer to the NOTE on page 1 of the instructions.

In general, libraries where automated systems have been purchased or libraries participating in automated networks for resource sharing (e.g. Automated Bristol Library Exchange, C/W MARS, Merrimack Valley Library Cooperative, Minuteman, NOBLE, Old Colony Library Network, etc.) **should record here the income for, and expenditures on, the library's purchase of hardware associated with that membership.** Also record here the income for, and expenditures on, the library's creation of machine-readable records in a retrospective conversion project if it was not reported as part of operating income and expenditures (p.2 A1-2 and B1-3) or grant operating income (p.2 A3).

p2 C1

INCOME (Capital)

Include + income for capital programs or outlays generally defined as resulting in the acquisition of, or addition to, fixed assets which will remain usable in excess of one year. Municipalities, however, often have their own definition of what constitutes a capital program or outlay. If available, use the municipality's definition or that of the Board of Trustees. **Note that any income reported here in section C1 should not be reported in section A.**

C1a Appropriated Municipal Income (Capital)

Include + appropriations for capital programs and outlays from sources of income comparable to the operating income sources listed in section A1a-e and g. Circle the figure if it includes bond revenues.

C1b Additional Aid to Public Libraries

Include + Additional Aid to Public Library monies appropriated for library capital programs and outlays. Additional Aid to Public Libraries monies were reported to municipalities on line 15 of the FY85 Cherry Sheet and informally have been called "supplemental aid" funds.

Exclude - any Library Incentive Grant monies appropriated for Capital programs and outlays. Such income should be reported on line C1a.

C1c Additional Monies (Capital)

Include + income for capital programs and outlays from sources of income comparable to the operating income sources listed in sections A2 and A3, for example:
Interest from trusts and endowments

monetary gifts
Friends of the Library
federal monies excluding federal revenue sharing
selected state monies

p2 Box C1 Add lines C1a-c and place the sum in the box below labeled C1.

p2 C2 Expenditures (Capital)

Include + all expenditures and encumbrances for capital programs and outlays taken from the sources of income listed above in C1a-c. **Note that any expenditures reported here in section C2 should not be reported in section B:**

p2 Box C2 Place the sum of all such expenditures and encumbrances to the right in the box labeled C2. Circle the figure if it reflects bond revenues.

HOLDINGS AND CIRCULATION INFORMATION FOR FY85

A. HOLDINGS

1. LIBRARY PRINT MATERIALS

- a. Volumes Owned.....
- b. Volumes of Bound Periodicals.....
- c. Periodical Subscriptions Rec'd.....
- d. Physical Units of Microforms.....

2. LIBRARY NON-PRINT & ADDITIONAL MATERIALS

- a. Audio Recordings.....
- b. Films 8mm.....
- c. Films 16mm.....
- d. Filmstrips.....
- e. Slide Sets.....
- f. Videotapes:.....reels _____ + cassettes _____ =
- g. Multi-media Kits.....
- h. Framed Art Prints.....
- i. Other.....

TOTAL A

B. CIRCULATION

1. LIBRARY PRINT MATERIALS

- a. Direct Circulation to Users.....
- b. Circulation from other Libraries to Users (ILL).....
- c. Circulation to other Libraries (ILL).....

2. LIBRARY NON-PRINT & ADDITIONAL MATERIALS

- a. Audio Recordings.....
- b. Films 8mm.....
- c. Films 16mm.....
- d. Filmstrips.....
- e. Slide Sets.....
- f. Videotapes:.....reels _____ + cassettes _____ =
- g. Multi-media Kits.....
- h. Framed Art Prints.....
- i. Other.....

TOTAL B

Data reported on this page should be for FY85, covering the 12-month period between July 1, 1984 and June 30, 1985. If data are reported for another 12-month period, please supply inclusive dates here _____.

ANNUAL REPORT INFORMATION SURVEY INSTRUCTIONS

HOLDINGS AND CIRCULATION INFORMATION FOR FY85

A1 HOLDINGS: LIBRARY PRINT MATERIALS

A1a Volumes Owned: Count one for each volume (i.e. physical unit, either hard or soft bound) owned by the library in its catalogued collection of books and related printed materials catalogued or processed in the same manner as books.

A1b Volumes of Bound Periodicals: Count, according to the method used in your library, the number of volumes of hardbound periodicals owned by the library. Report "0" if the library does not own any volumes of bound periodicals.

A1c Periodical Subscriptions Received: Count one for each title, excluding duplicate subscriptions.

A1d Physical Units of Microforms: Count one for each roll of microfilm or each card of microfiche.

A2 HOLDINGS: LIBRARY NON-PRINT & ADDITIONAL MATERIALS: For each of the media listed, count materials separately by title, including one for each titled part of a series.

A2a Audio recordings: Include discs, reel-to-reel tapes, and cassettes.

A2b-c Films 8mm and 16mm: Count only those owned by the library.

A2d-e Filmstrips and Slide Sets: Include sound and silent.

A2f Videotapes: Include, if possible, a separate figure for permanent reel-to-reel tapes and cassette tapes, either commercially or non-commercially produced. Also, please provide a total count of all videotapes (excluding, of course, blank tapes).

A2g Multi-Media Kits: A kit is a variety of media formats (usually a minimum of 3) gathered and integrated into a unit such that the varied components overlap and reinforce the value of each other. Count one for each kit title.

A2h Framed Art Prints: Include framed art prints intended for circulation. Do not include individual photographs or clippings.

Other: Include materials not listed individually such as globes, games, puzzles, toys, realia, maps, microcomputer software, vertical file material, etc. Count one for each drawer of vertical file material; for all other items count or estimate one for each title.

Add lines A1a and A2a-h, placing the figure below on the dark line labeled "TOTAL A." Do not include lines A1b-d and A2i in the total.

B1 CIRCULATION: LIBRARY PRINT MATERIALS

B1a Direct Circulation to Users: Count one for each book or issue of a periodical lent from the collection to users, and one for each renewal, including circulation from bookmobiles operated by the library. Circulation of materials owned by the regional public library systems should also be included in this count.

B1b Circulation from Other Libraries to Users (ILL): Count one for each book or issue of a periodical received from another library's collection and circulated to users, and one for each renewal. This figure should reflect the interlibrary loans received by the library.

B1c Circulation to Other Libraries (ILL): Count one for each book or issue of a periodical loaned to another library, and one for each renewal. This figure should reflect the interlibrary loans sent by the library.

B2 CIRCULATION: LIBRARY NON-PRINT & ADDITIONAL MATERIALS

B2a-i Count one for each title lent from the library's own collection, or received from the regional public library systems or from another library's collection and lent to users or another library, and one for each renewal.

Add lines B1a-c and B2a-h, placing the figure below on the dark line labeled "TOTAL B." Do not include line B2i in the total.

If you have any questions, please call the Planning and Research Unit staff at 1-800-952-7403 or 267-9400

Municipal Index to Population Groups

Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group
ABINGTON	IV	BARNSTABLE	V	BOYLSTON	II
ACTON	IV	BARRE	II	BRAINTREE	V
ACUSHNET	III	BECKET	I	BREWSTER	III
ADAMS	IV	BEDFORD	IV	BRIDGEWATER	IV
AGAWAM	V	BELCHERTOWN	III	BRIMFIELD	II
ALFORD	I	BELLINGHAM	IV	BROCKTON	VI
AMESBURY	IV	BELMONT	V	BROOKFIELD	II
AMHERST	V	BERKLEY	II	BROOKLINE	VI
ANDOVER	V	BERLIN	II	BUCKLAND	I
ARLINGTON	V	BERNARDSTON	I	BURLINGTON	IV
ASHBURNHAM	II	BEVERLY	V	CAMBRIDGE	VI
ASHBY	II	BILLERICA	V	CANTON	IV
ASHFIELD	I	BLACKSTONE	III	CARLISLE	II
ASHLAND	III	BLANDFORD	I	CARVER	III
ATHOL	IV	BOLTON	II	CHARLEMONT	I
ATTLEBORO	V	BOSTON	VII	CHARLTON	III
AUBURN	IV	BOURNE	IV	CHATHAM	III
AVON	III	BOXBOROUGH	II	CHELMSFORD	V
AYER	III	BOXFORD	III	CHELSEA	V

Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group
CHESHIRE	II	DOUGLAS	II	FALMOUTH	IV
CHESTER	I	DOVER	II	FITCHBURG	V
CHESTERFIELD	I	DRACUT	IV	FLORIDA	I
CHICOPEE	VI	DUDLEY	III	FOXBOROUGH	IV
CHILMARK	I	DUNSTABLE	I	FRAMINGHAM	VI
CLARKSBURG	I	DUXBURY	IV	FRANKLIN	IV
CLINTON	IV	EAST BRIDGEWATER	III	FREETOWN	III
CHASSET	III	EAST BROOKFIELD	I	GARDNER	IV
COLRAIN	I	EAST LONGMEADOW	IV	GAY HEAD	I
CONCORD	IV	EASTHAM	II	GEORGETOWN	III
CONWAY	I	EASTHAMPTON	IV	GILL	I
CUMMINGTON	I	EASTON	IV	GLOUCESTER	V
DALTON	III	EDGARTOWN	II	GOSHEN	I
DAWERS	IV	EGREMONT	I	GOSNOLD	I
DARTMOUTH	IV	ERING	I	GRAFTON	IV
DEDHAM	V	ESSEX	II	GRANBY	III
DEERFIELD	II	EVERETT	V	GRAMILLE	I
DENNIS	IV	FAIRHAVEN	IV	GREAT BARRINGTON	III
DIGHTON	III	FALL RIVER	VI	GREENFIELD	IV

<u>Municipality</u>	<u>Pop. Group</u>	<u>Municipality</u>	<u>Pop. Group</u>	<u>Municipality</u>	<u>Pop. Group</u>
GROTON	III	HOLLAND	I	LEV ERETT	I
GROVELAND	III	HOLLISTON	IV	LEXINGTON	V
HADLEY	II	HOLYOKE	V	LEYDEN	I
HALIFAX	III	HOPEDALE	II	LINCOLN	III
HAMILTON	III	HOPKINTON	III	LITTLETON	III
HAMPDEN	II	HUBBARDSTON	I	LONGMEADOW	IV
HANCOCK	I	HUDSON	IV	LOWELL	VI
HANDOVER	IV	HULL	III	LUDLOW	IV
HANSON	III	HUNTINGTON	I	LUNENBURG	III
HARDWICK	II	IPSWICH	IV	LYNN	VI
HARVARD	IV	KINGSTON	III	LYNNFIELD	IV
HARWICH	III	LAKEVILLE	III	MALDEN	VI
HATFIELD	II	LANCASTER	III	MANCHESTER	III
HAVERTHILL	V	LANESBOROUGH	II	MANSFIELD	IV
HEATH	I	LAWRENCE	VI	MARBLEHEAD	IV
HINGHAM	IV	LEE	III	MARION	II
HINSDALE	I	LEICESTER	III	MARLBOROUGH	V
HOLBROOK	IV	LENOX	III	MARSHFIELD	IV
HOLDEN	IV	LEOMINSTER	V	MASHPEE	II

<u>Municipality</u>	<u>Pop. Group</u>	<u>Municipality</u>	<u>Pop. Group</u>	<u>Municipality</u>	<u>Pop. Group</u>
MATTAPOISETT	III	MONTEREY	I	NORTHAMPTON	V
MAYNARD	III	MOUNT WASHINGTON	I	NORTHBOROUGH	IV
MEDFIELD	IV	NAHANT	II	NORTHBRIDGE	IV
MEDFORD	VI	NANTUCKET	III	NORTHFIELD	II
MEDWAY	III	NATICK	V	NORTON	IV
MELROSE	V	NEEDHAM	V	NORWELL	III
MENDON	II	NEW BEDFORD	VI	NORWOOD	V
MERRIMAC	II	NEW BRAintree	I	OAK BLUFFS	I
METHUEN	V	NEW MARLBOROUGH	I	OAKHAM	I
MIDDLEBOROUGH	IV	NEW SALEM	I	ORANGE	III
MIDDLEFIELD	I	NEWBURY	II	ORLEANS	III
MIDDLETON	II	NEWBURYPORT	IV	OTIS	I
MILFORD	IV	NEWTON	VI	OXFORD	IV
MILLBURY	IV	NORFOLK	III	PALMER	IV
MILLIS	III	NORTH ADAMS	IV	PAXTON	II
MILTON	V	NORTH ANDOVER	IV	PEABODY	V
MONROE	I	NORTH ATTLEBOROUGH	IV	PELHAM	I
MONSON	III	NORTH BROOKFIELD	II	PEMBROKE	IV
MONTAGUE	III	NORTH READING	IV	PEPPERELL	III

Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group
PERU	I	ROCKPORT	III	SHREWSBURY	IV
PETERSHAM	I	ROWE	I	SHUTESBURY	I
PHILLIPSTON	I	ROWLEY	II	SOMERSET	IV
PITTSFIELD	VI	ROYALSTON	I	SOMERVILLE	VI
PLAINFIELD	I	RUSSELL	I	SOUTH HADLEY	IV
PLAINVILLE	III	RUTLAND	II	SOUTHAMPTON	II
PLYMOUTH	V	SALEM	V	SOUTHBOROUGH	III
PLYMPTON	I	SALISBURY	III	SOUTHBRIDGE	IV
PRINCETON	II	SANDISFIELD	I	SOUTHWICK	III
PROVINCETOWN	II	SANDWICH	III	SPENCER	IV
QUINCY	VI	SAUGUS	IV	SPRINGFIELD	VII
RANDOLPH	V	SAVOY	I	STERLING	III
RAYNHAM	III	SCITUATE	IV	STOCKBRIDGE	II
READING	IV	SEEKONK	IV	STONEHAM	IV
REHOBOTH	III	SHARON	IV	STOUGHTON	V
REVERE	V	SHEFFIELD	II	STOW	III
RICHMOND	I	SHELBURNE	II	STURBRIDGE	III
ROCHESTER	II	SHERBORN	II	SUDBURY	IV
ROCKLAND	IV	SHIRLEY	III	SUNDERLAND	II

<u>Municipality</u>	<u>Pop. Group</u>	<u>Municipality</u>	<u>Pop. Group</u>	<u>Municipality</u>	<u>Pop. Group</u>
SUTTON	III	WARE	III	WESTFIELD	V
SWAMPSCOTT	IV	WAREHAM	IV	WESTFORD	IV
SWANSEA	IV	WARREN	II	WESTHAMPTON	I
TAUNTON	V	WARWICK	I	WESTMINSTER	III
TEMPLETON	III	WATERTOWN	V	WESTON	IV
TEWKSBURY	IV	WAYLAND	IV	WESTPORT	IV
TISBURY	II	WEBSTER	IV	WESTWOOD	IV
TOLLAND	I	WELLESLEY	V	WEYMOUTH	VI
TOPSFIELD	III	WELLFLEET	II	WHATELY	I
TOWNSEND	III	WENDELL	I	WHITMAN	IV
TRURO	I	WENHAM	II	WILBRAHAM	IV
TYNGSBOROUGH	III	WEST BOYLSTON	III	WILLIAMSBURG	II
TYRINGHAM	I	WEST BRIDGEWATER	III	WILLIAMSTOWN	III
UPTON	II	WEST BROOKFIELD	II	WILMINGTON	IV
UXBRIDGE	III	WEST NEWBURY	II	WINCHENDON	III
WAKEFIELD	IV	WEST SPRINGFIELD	V	WINCHESTER	IV
WALES	I	WEST STOCKBRIDGE	I	WINDSOR	I
WALPOLE	IV	WEST TISBURY	I	WINTHROP	IV
WALTHAM	VI	WESTBOROUGH	IV	WOBBURN	V

<u>Municipality</u>	<u>Pop. Group</u>	<u>Municipality</u>	<u>Pop. Group</u>	<u>Municipality</u>	<u>Pop. Group</u>
WORCESTER	VII				
WORTHINGTON	I				
WRENTHAM	III				
YARMOUTH	IV				





MASS EJ 22.3 1986

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MAY 1987

MASSACHUSETTS BOARD OF LIBRARY COMMISSIONERS
648 Beacon Street Boston, MA 02215

Selected
Public Library
Statistics

**DATA FOR
MASSACHUSETTS FY86**



Selected
Public Library
Statistics

**DATA FOR
MASSACHUSETTS FY86**

MAY 1987
MASSACHUSETTS BOARD OF LIBRARY COMMISSIONERS
648 Beacon Street Boston, MA 02215

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Municipal Index to Population Groups



Introduction

The report provides per capita and percentage figures reflecting selected FY86 support and activity indicators for responding public libraries. Data were compiled from the FY87 Library Incentive Grant Application, the FY87 Municipal Equalization Grant Application and the Annual Report Information Survey forms.

With few exceptions, financial, collection, and hours open data are for the twelve month period ending June 30, 1986. Twenty libraries reported holdings and/or circulation data for another period, most frequently, for calendar year 1985. The work week and full-time equivalents (FTE) data are reported as of July 1, 1986.

The report reflects income data for 332 or 96% of the 347 municipalities with public libraries. Expenditure data and hours open data were received from 320 or 92% of the communities. A total of 328 or 95% of the municipalities supplied holdings, circulation, work week, and staffing data.

With one exception, this report reflects the combined levels of library support and activity for all reporting libraries within municipalities with more than one library system receiving public funds. Holdings, circulation, work week, and FTE data for Barnstable do not include reports from the Sturgis Library.

ARRANGEMENT OF THE REPORT

The report is arranged in three sections: Summary Tables, Municipal Tables, and the survey forms. Statewide and regional data for selected indicators follow the introduction. The Usage Notes preceding the Summary Tables contain a formula for calculating percentiles not appearing in the Summary Tables.

Section One: Summary Tables

The summary tables display the mean (average), median, and the 10th, 25th, 75th, and 90th percentile values of nine indicators for population groups I through VI. Because of the small number of municipalities in group VI, the percentiles for this group should be considered estimates only.

Means, medians, and percentiles are superfluous for group VII, the three municipalities with populations in excess of 100,000. Data for these municipalities appear in the municipal tables only.

Section Two: Municipal Tables

At the request of users of the report, we have continued to arrange data for individual municipalities in

seven population groups based on the 1980 federal census. See the index to determine in which population group a municipality is listed.

INDICATORS OF LIBRARY SUPPORT & ACTIVITY

In addition to 1980 population, 1980 population rank, and regional system affiliation (Central, Eastern, or Western), the following library data appear in this order in the municipal tables:

- Total Operating Income Per Capita
- Appropriated Municipal Income Per Capita
- Total Operating Expenditures Per Capita
- Salary Expenditures Per Capita and as a Percent of Total Operating Expenditures
- Materials Expenditures Per Capita and as a Percent of Total Operating Expenditures
- Holdings Per Capita
- Circulation Per Capita
- Hours Open in the Winter and Summer
- Hours in the Work Week
- Full-time Equivalents of Staff

The emphasis of the report is municipal data. Therefore, we ask that the state funds received by libraries that contract with the Board of Library Commissioners to provide regional services be omitted from the report.

Only three categories of federal and state funds have been included in the report. Libraries were asked to include federal revenue sharing, the Massachusetts Library Incentive Grant and the Additional Aid to Public Libraries monies in their income and expenditure figures.

Because all libraries do not have precisely the same sources of income, the **Total Operating Income** data are not comparable in terms of categories of income and access to the income. The income components depend on the municipality and the manner of reporting. For example, Total Operating Income may reflect all or some of the components of Appropriated Municipal Income plus trust or endowment income, and/or income from monetary gifts or miscellaneous sources.

The discretion with which trust and/or endowment income may be expended varies widely among libraries depending on the fund restrictions. Some funds, for example, restrict expenditures to materials on a relatively narrow topic. As a result, a library's operating income may appear inflated until selected materials complying with the fund requirements are acquired.

Print and non-print data are combined in the **Holdings** and **Circulation** indicators.

Hours Open, Winter and Summer, displays the number of hours in an average week that the library was open to the public in FY86. Hours for branch libraries are included if they do not overlap main library hours.

Hours in the Work Week, for larger libraries, is the number of hours typically worked per week by a full-time paid employee. For smaller libraries where no one works 35 hours, the figure is the greatest number of hours worked in a typical week by a paid staff member. Depending on the municipality, that work week may be considered full-time by the municipality, even though it is less than 35 hours.

The full-time equivalents (**FTE**) reflect paid staff, excluding those paid by state or federally subsidized employment programs. One FTE equals 35 paid staff hours.

LIBRARY INCENTIVE GRANT PROGRAM

The compilation of data for this report may not necessarily correspond to the data used to determine compliance with minimum standards for the FY87 Library Incentive Grant Program.

STATEWIDE DATA

Statewide data for selected financial and collection indicators are shown for the last three fiscal years with per capita based on the population served by the libraries responding each year.

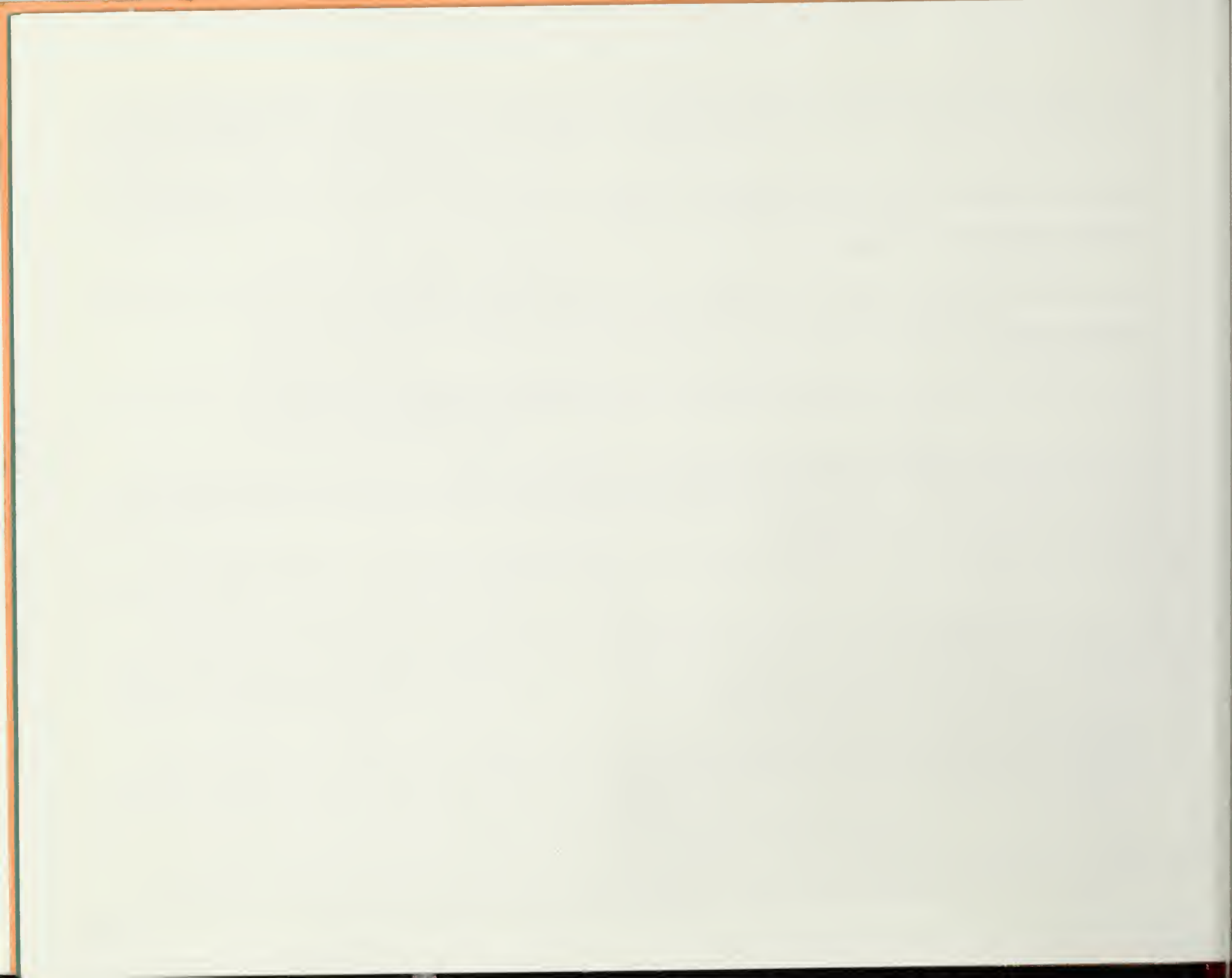
The agency welcomes your comments and suggestions and examples of how the report is being used.

Mary Litterst
Planning & Research Specialist

Betty Wei
Computer Programmer

Mary Johnson
Planning & Research

Robert E. Dugan, Head
Fiscal Planning & Systems Development



STATISTICS OF PUBLIC LIBRARIES STATEWIDE SUMMARY FOR SELECTED INDICATORS, FY 84-86

(per capita figures in parentheses)

FY ^a	No. of Reptg. Libs. ^b	No. of Reptg. Muns. ^b	Total Operating Income \$	Appropriated Municipal Income \$	Total Operating Expenditures \$	Salary Expenditures \$	Materials Expenditures \$	Holdings	Circulation	FTE ^g
1984	343	316	71,335,308 (12.73)	67,374,011 (12.02)	69,813,294 (12.45)	47,701,217 (8.51)	11,325,376 (2.02)	26,397,755 ^c (4.67)	32,003,443 ^d (5.66)	3564.6 ^c
1985	346	319	76,044,835 (13.49)	71,421,637 (12.67)	74,087,488 (13.14)	50,077,961 (8.89)	12,409,215 (2.20)	29,689,667 ^e (5.24)	32,226,127 ^e (5.69)	3727.5 ^e
1986	359	332	83,435,131 (14.60)	78,917,786 (13.81)	80,587,387 (14.28)	55,030,976 (9.75)	13,238,022 (2.35)	27,560,842 ^f (4.84)	32,066,913 ^f (5.64)	3832.5 ^f
84-85	% CHANGE IN PER CAPITA FIGURES		5.97	5.41	5.54	4.47	8.91	12.21	0.53	4.57%
85-86			8.23	9.00	8.68	9.67	6.82	-7.63	-0.88	2.82%
84-86			14.69	14.89	14.70	14.57	16.34	3.64	-0.35	7.52%

Per capita figures are based on the population (1980 U. S. census) of municipalities served by responding libraries.

FY84, population served by responding libraries for financial indicators = 5,605,527

for holdings data = 5,657,959

for circulation data = 5,655,648

FY85, population served by responding libraries for financial indicators = 5,636,224

for holdings and circulation data = 5,661,133

FY86, population served by responding libraries for income indicators = 5,712,808

for expenditure indicators = 5,644,946

for holdings and circulation data = 5,689,982

a. Fiscal year applies to all indicators except FTE which are reported as of July 1 of each year

b. Reporting financial data; for FY86, 359 libraries in 332 municipalities reported income data and 346 libraries in 320 municipalities reported expenditures data. The income totals for just those respondents who also reported expenditure data are: Total Operating Income \$82,619,296 (\$14.64) and Appropriated Municipal Income \$78,201,707 (\$13.85).

c. Holdings and FTE data based on 352 libraries reporting from 325 municipalities

d. Circulation based on 351 libraries reporting from 324 municipalities

e. Holdings, circulation, and FTE data based on 346 libraries reporting from 321 municipalities

f. Holdings, circulation, and FTE data based on 354 libraries reporting from 328 municipalities.

g. Rate of change calculated on gross figures.

FY86 REGIONAL ADDENDUM

Average Per Capita Figures for All Reporting Municipalities
By Population Group and Regional Affiliation for 7 Indicators of Library Support and Activity

Population Group	I N D I C A T O R S																			
	Total Library Operating Income \$				Appropriated Municipal Operating Income \$				Total Library Operating Expenditures \$				Salary Expenditures \$				Material Expenditures \$			
	C	E	W	Pop Group	C	E	W	Pop Group	C	E	W	Pop Group	C	E	W	Pop Group	C	E	W	Pop Group
I																				
1-1,999	8.42	18.66	6.76	8.70	6.19	17.17	5.90	7.53	8.62	17.14	6.57	8.39	3.86	10.46	3.09	4.27	2.31	4.73	1.92	2.38
II																				
2,000-4,999	10.04	17.91	9.64	13.00	8.69	16.57	7.01	11.33	10.05	17.16	9.71	12.92	5.62	10.68	5.46	7.68	2.68	4.02	2.30	3.14
III																				
5,000-9,999	10.03	12.39	10.16	11.34	9.38	11.72	9.37	10.66	10.17	12.44	9.70	11.35	6.46	7.88	5.81	7.13	2.29	2.74	2.16	2.52
IV																				
10,000-24,999	13.74	14.52	11.82	14.10	13.19	13.73	11.33	13.38	13.40	13.94	11.61	13.59	8.51	9.60	7.70	9.20	2.76	2.61	2.10	2.58
V																				
25,000-49,999	14.51	15.05	12.98	14.72	13.76	13.98	11.13	13.55	14.12	14.71	12.46	14.35	9.63	10.06	8.19	9.76	2.27	2.33	2.15	2.30
VI																				
50,000-99,999	----	12.03	9.19	11.80	----	11.79	8.93	11.56	----	11.81	9.04	11.58	----	8.66	6.98	8.53	----	1.70	1.34	1.67
VII																				
100,000+	16.81	22.90	24.73	22.10	16.07	22.22	22.12	21.07	16.39	22.18	24.73	21.55	12.10	14.64	17.28	14.63	2.10	2.79	3.65	2.81
REGIONAL/ ALL GROUPS	13.93	15.11	13.75	14.78	13.17	14.41	12.35	13.98	13.25	14.59	13.47	14.28	8.80	10.04	9.03	9.75	2.45	2.33	2.32	2.35

for Income Indicators:

C (Central Region) reflects 70 reporting municipalities with a 1980 federal census of 715,860
E (Eastern Region) reflects 177 reporting municipalities with a 1980 federal census of 4,221,843
W (Western Region) reflects 85 reporting municipalities with a 1980 federal census of 775,105

for expenditure Indicators:

C (Central Region) reflects 63 reporting municipalities with a 1980 federal census of 685,485
E (Eastern Region) reflects 174 reporting municipalities with a 1980 federal census of 4,186,987
W (Western Region) reflects 83 reporting municipalities with a 1980 federal census of 772,474

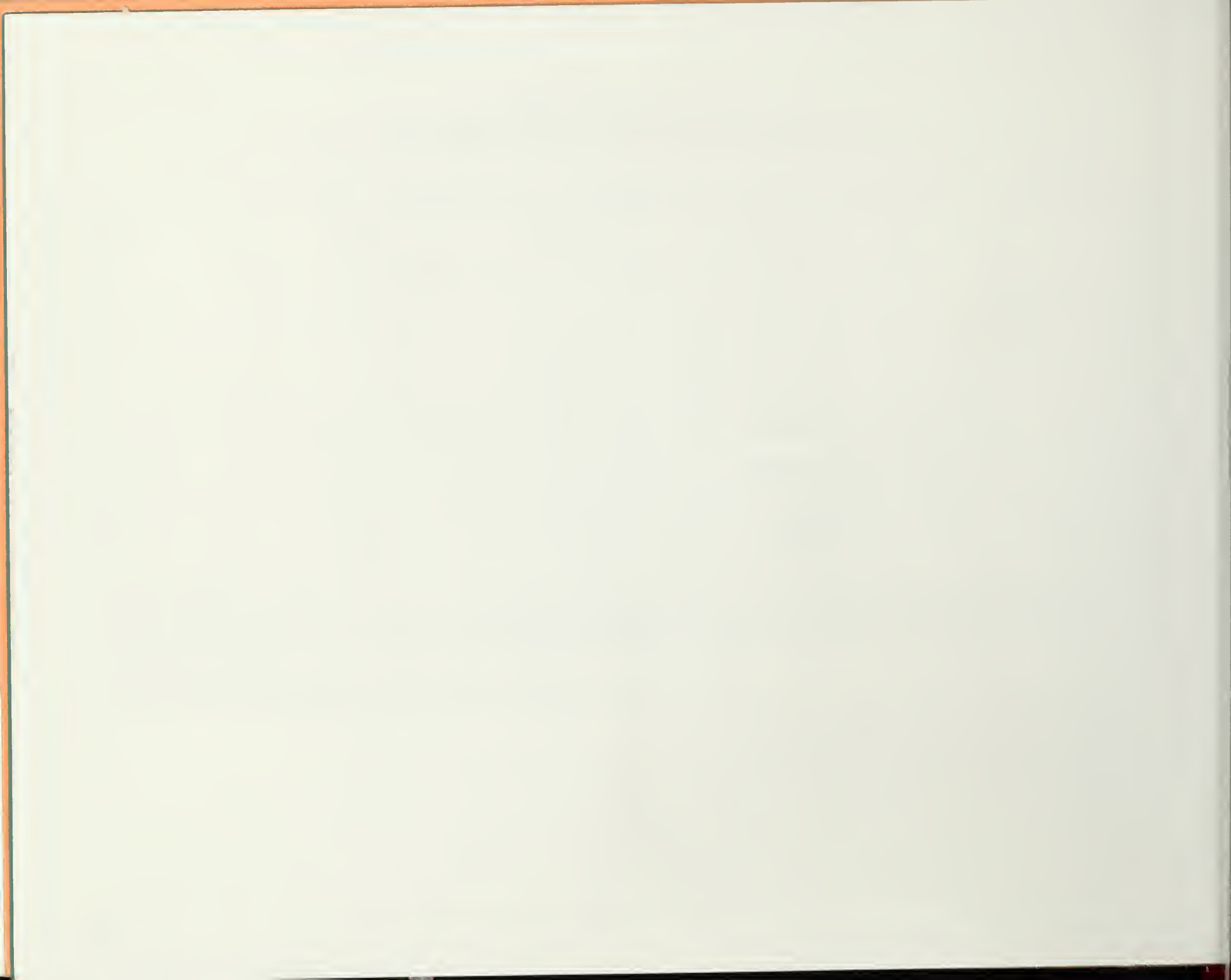
FY86 REGIONAL ADDENDUM

Average Per Capita Figures for All Reporting Municipalities
By Population Group and Regional Affiliation for 7 Indicators of Library Support and Activity (cont'd)

Population Group	I N D I C A T O R S							
	Total Holdings				Total Circulation			
	C	E	W	Pop Group	C	E	W	Pop Group
I 1-1,999	9.14	11.91	9.21	9.58	8.10	10.79	7.21	7.83
II 2,000-4,999	5.68	7.39	8.22	7.01	6.37	10.73	7.56	8.42
III 5,000-9,999	4.31	4.69	4.93	4.63	5.94	6.75	5.76	6.36
IV 10,000-24,999	3.48	4.16	3.48	3.96	6.30	7.31	7.23	7.12
V 25,000-49,999	3.93	3.87	4.96	4.03	5.69	5.97	5.90	5.95
VI 50,000-99,999	----	3.62	2.76	3.55	----	3.84	5.22	3.95
VII 100,000+	5.21	11.05	4.51	8.83	4.31	3.10	7.91	4.16
REGIONAL/ ALL GROUPS	4.34	4.95	4.71	4.84	5.73	5.44	6.61	5.64

for holdings and circulation data:

C (Central Region) reflects 65 reporting municipalities with a 1980 federal census of 696,749
E (Eastern Region) reflects 176 reporting municipalities with a 1980 federal census of 4,216,491
W (Western Region) reflects 87 reporting municipalities with a 1980 federal census of 776,742



Usage Notes

The statistical measures applied to each indicator of library support and activity in the Summary Tables are:

The Mean	a measure of central tendency which is commonly termed the "average." It is derived by dividing the sum of all the values in any particular group of data by the number of values included in that total.
Percentile Rank	describes the position of a value in its distribution, indicating the percent of cases in a distribution falling at or below the value of an indicator. For example, the library of a hypothetical municipality has a per capita operating expenditure of \$6.00 and a corresponding percentile rank of 25. This indicates that 25% of the municipalities in the population group have the same or smaller per capita operating expenditure than the sample library.
Median	the popular term for the 50th percentile; is equal to the value of an indicator at or below which 50% of the values fall. The value of the median differs from the value of the mean when the distribution of the values of an indicator is not regular, but rather skewed or piled at either end of the range. When there is considerable difference between the median and the mean, the median is generally thought of as being the more valid measure of central tendency.

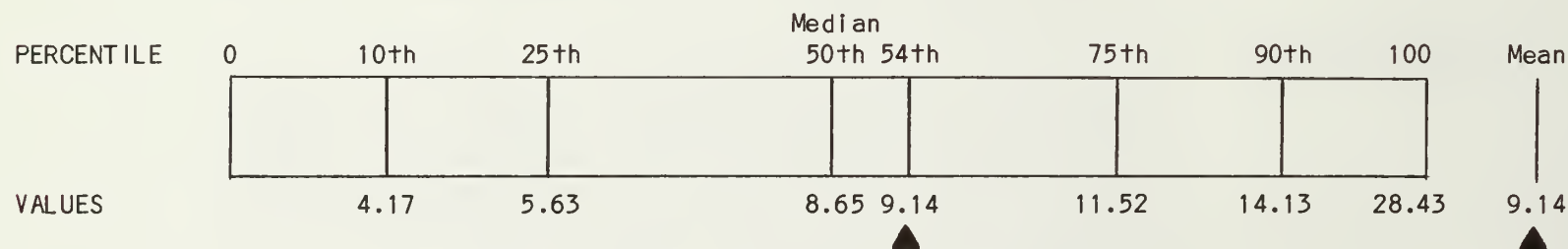
Percentiles are not the most descriptive measures when the sample size is small, as in the 50,000 - 99,999 population group, the distribution is skewed, or the range of values is small. This is especially evident in Table G for the 25,000 - 49,999 and 50,000 - 99,999 groups. In some cases the same value appears for more than one percentile. Depending on the table, this is the result of one or more of the following conditions: there are only a finite number of discrete values in each distribution; there may be a relatively small range of values consisting of rounded whole numbers; and/or there may be a skewed distribution in the range.

Constructed below are hypothetical library situations designed to illustrate how the Summary Tables may be used and how an undisplayed percentile may be calculated.

Calculating an Undisplayed Percentile

In some instances, the value of an indicator may fall between the displayed values of a statistical measure, such as between the median (50th percentile) and the 75th percentile and it is informative to calculate the undisplayed percentile. Following is an example of how this may be done.

Example A: For a library in a hypothetical municipality in the 10,000 to 24,999 population group (group IV), salary expenditures are equal to \$9.14 per capita. From Summary Table D, we see that 9.14 falls between the values of the median (8.65) and the 75th percentile (11.52). We can estimate, based on the data available and using population served as a basis of comparison, that for the library in our hypothetical municipality, salary expenditures per capita are equal to or greater than 54% of the municipalities reporting in this population group.



Undisplayed percentile ranks may be calculated by the shorthand interpolation procedure used to compute the 54th percentile in Example A. This was done by:

- Finding the difference between the displayed values falling above (11.52) and below (8.65) our hypothetical value (9.14). The difference is 2.87 salary expenditures dollars per capita.
- Finding the difference between our hypothetical value (9.14) and the displayed value falling below it (8.65). The difference is .49 salary expenditures dollars per capita.
- Determining the ratio of the latter difference to the former difference (.49 divided by 2.87), which equals .171.
- Finding the difference between the displayed percentiles corresponding to the displayed values falling above and below our hypothetical value (9.14). In our example, the difference between the corresponding percentiles (75th and median/50th) is 25 percentile units.
- Interpolating the ratio from the values line to the difference between the displayed percentiles. In our example, the ratio is .171 (see c above) and the difference between the percentiles is 25 (see d above). $.171 \times 25 = 4.28$ percentile units.

f - Adding the interpolated percentile units to the displayed percentile falling below our hypothetical value to arrive at the estimated percentile rank of our hypothetical library. For example, $4.28 + 50 = 54.28 = 54\text{th percentile}$.

It should be noted that this procedure assumes that the size of the intervals between values is constant throughout the distribution. Quite often there is slight variability in their size, so that ranks computed by this method must be considered estimates.

Looking at More than One Statistical Measure

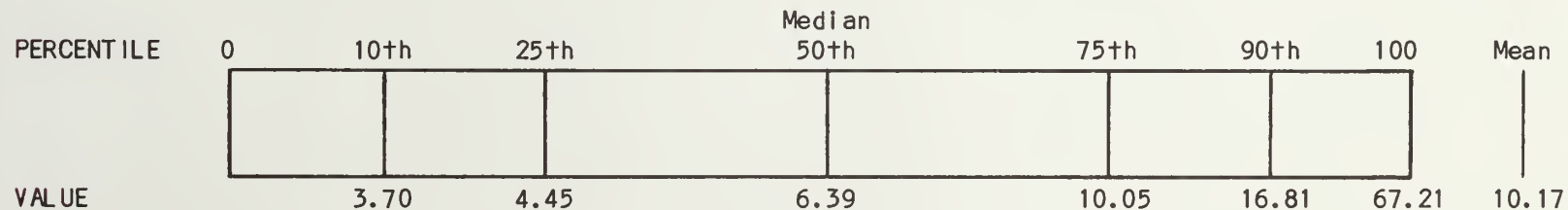
For each indicator it is most useful to review the results of the statistical measures in conjunction with one another. Another look at Summary Table D indicates that the hypothetical library mentioned in Example A has a salary expenditures per capita figure equal to the mean figure (9.14) of the population group.

Therefore, while we may say that salary expenditures per capita are equal to the "average" for this population group, it remains true that for our hypothetical municipality, per capita salary expenditures are greater than or equal to 54% of the reporting municipalities in this population group.

Another illustration of the value of looking at more than one measure follows.

EXAMPLE B: In some cases, percentile values may be used effectively to qualify the minimal information provided by the range of values for an indicator and population group. For example, a library in a hypothetical municipality in the 1 to 1,999 population group (group 1) could have a total operating income of \$16.81 per capita.

From Summary Table A, we see that 16.81 equals the value of the 90th percentile and falls almost one quarter of the way between the range (1.00 through 67.21) of total operating income per capita of all reporting libraries in this population group.



Based on this information, we may say, therefore, that even though the hypothetical library's total operating income per capita is only about one quarter as much as that of the library with the highest value in the population group (\$67.21), it still has a total operating income per capita greater than or equal to that of 90% of the libraries in this population group.

Using Other Bases of Comparison

We urge readers not to restrict themselves to comparisons by population groupings. Other indicators or combination of indicators in the report or from other sources which measure municipal revenue capacity may be used to group similar libraries and to form the basis of comparison among them. From the Municipal Tables in this report, a reader may identify municipalities having similar values for one or more of the support and activity indicators and thereby establish a group of similar libraries, regardless of population served.

Section One: Summary Tables

TABLE A - TOTAL OPERATING INCOME PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1986

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	56	1.00 - 67.21	3.70	4.45	6.39	10.05	16.81	10.17
2,000 - 4,999	52	0.67 - 54.36	3.91	7.02	10.47	18.41	23.63	13.24
5,000 - 9,999	73	1.68 - 38.31	3.72	6.88	10.87	14.47	19.00	11.51
10,000 - 24,999	90	5.27 - 40.78	6.79	8.20	12.83	17.68	21.63	14.04
25,000 - 49,999	40	4.15 - 32.47	8.23	10.17	13.08	18.07	24.87	15.19
50,000 - 99,999	18	5.67 - 30.66	5.96	8.62	10.43	12.43	17.36	12.03

TABLE B - APPROPRIATED MUNICIPAL INCOME PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1986

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	56	0.98 - 55.39	2.86	4.02	5.43	8.89	13.79	8.88
2,000 - 4,999	52	0.67 - 39.28	3.82	6.27	9.50	15.90	21.34	11.25
5,000 - 9,999	73	1.55 - 37.55	3.63	6.53	10.29	14.22	17.63	10.81
10,000 - 24,999	90	0.62 - 34.00	6.09	8.02	12.49	17.28	19.70	13.33
25,000 - 49,999	40	2.78 - 30.28	8.12	9.70	12.18	16.45	24.27	14.04
50,000 - 99,999	18	5.56 - 30.18	5.94	8.35	10.09	12.21	17.36	11.79

TABLE C - TOTAL OPERATING EXPENDITURES PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1986

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	1.52 - 64.86	3.54	4.34	6.39	9.96	15.77	9.92
2,000 - 4,999	48	2.24 - 49.58	4.48	7.09	10.47	17.24	21.97	13.35
5,000 - 9,999	68	1.68 - 37.64	4.27	7.13	10.99	14.80	18.04	11.54
10,000 - 24,999	89	4.76 - 40.75	6.62	8.17	12.12	16.97	21.20	13.56
25,000 - 49,999	40	3.31 - 32.47	8.23	9.84	13.08	17.83	24.33	14.83
50,000 - 99,999	18	5.61 - 30.14	5.86	8.62	10.19	12.00	16.87	11.80

TABLE D - SALARY EXPENDITURES PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1986

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	0.00 - 36.37	1.08	2.15	2.94	4.79	8.71	5.03
2,000 - 4,999	48	1.03 - 28.68	2.32	4.05	6.05	10.44	14.24	7.92
5,000 - 9,999	68	0.85 - 25.46	2.57	4.43	6.97	8.98	11.57	7.22
10,000 - 24,999	89	1.83 - 28.43	4.17	5.63	8.65	11.52	14.13	9.14
25,000 - 49,999	40	2.32 - 22.00	5.35	6.42	9.24	12.34	17.73	10.12
50,000 - 99,999	18	3.83 - 21.62	4.24	6.21	7.72	8.98	12.37	8.68

TABLE E - SALARY EXPENDITURES AS PERCENT (%) OF TOTAL OPERATING EXPENDITURES

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1986

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	0 - 76	23	40	49	58	67	47
2,000 - 4,999	48	35 - 75	45	53	59	63	69	58
5,000 - 9,999	68	45 - 72	52	59	62	66	70	62
10,000 - 24,999	89	38 - 79	58	63	68	71	74	67
25,000 - 49,999	40	51 - 78	61	64	69	71	74	68
50,000 - 99,999	18	58 - 81	66	72	74	77	80	74

TABLE F - MATERIALS EXPENDITURES PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1986

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	0.45 - 20.69	1.00	1.41	1.98	3.15	4.12	2.96
2,000 - 4,999	48	0.50 - 11.63	1.37	1.99	2.44	4.35	5.48	3.22
5,000 - 9,999	68	0.34 - 7.07	1.06	1.47	2.47	3.28	3.90	2.58
10,000 - 24,999	89	1.00 - 5.91	1.31	1.73	2.47	3.22	4.16	2.60
25,000 - 49,999	40	0.52 - 5.31	1.23	1.65	2.17	2.92	3.44	2.38
50,000 - 99,999	18	1.01 - 5.03	1.05	1.17	1.36	1.65	2.67	1.71

TABLE G - MATERIALS EXPENDITURES AS PERCENT (%) OF TOTAL OPERATING EXPENDITURES

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1986

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	20 - 87	21	22	29	34	49	32
2,000 - 4,999	48	14 - 55	21	22	25	27	33	26
5,000 - 9,999	68	16 - 35	19	20	22	25	28	23
10,000 - 24,999	89	14 - 32	16	17	19	21	24	20
25,000 - 49,999	40	13 - 23	14	14	16	18	19	16
50,000 - 99,999	18	12 - 19	12	13	13	16	18	14

TABLE H - HOLDINGS PER CAPITA

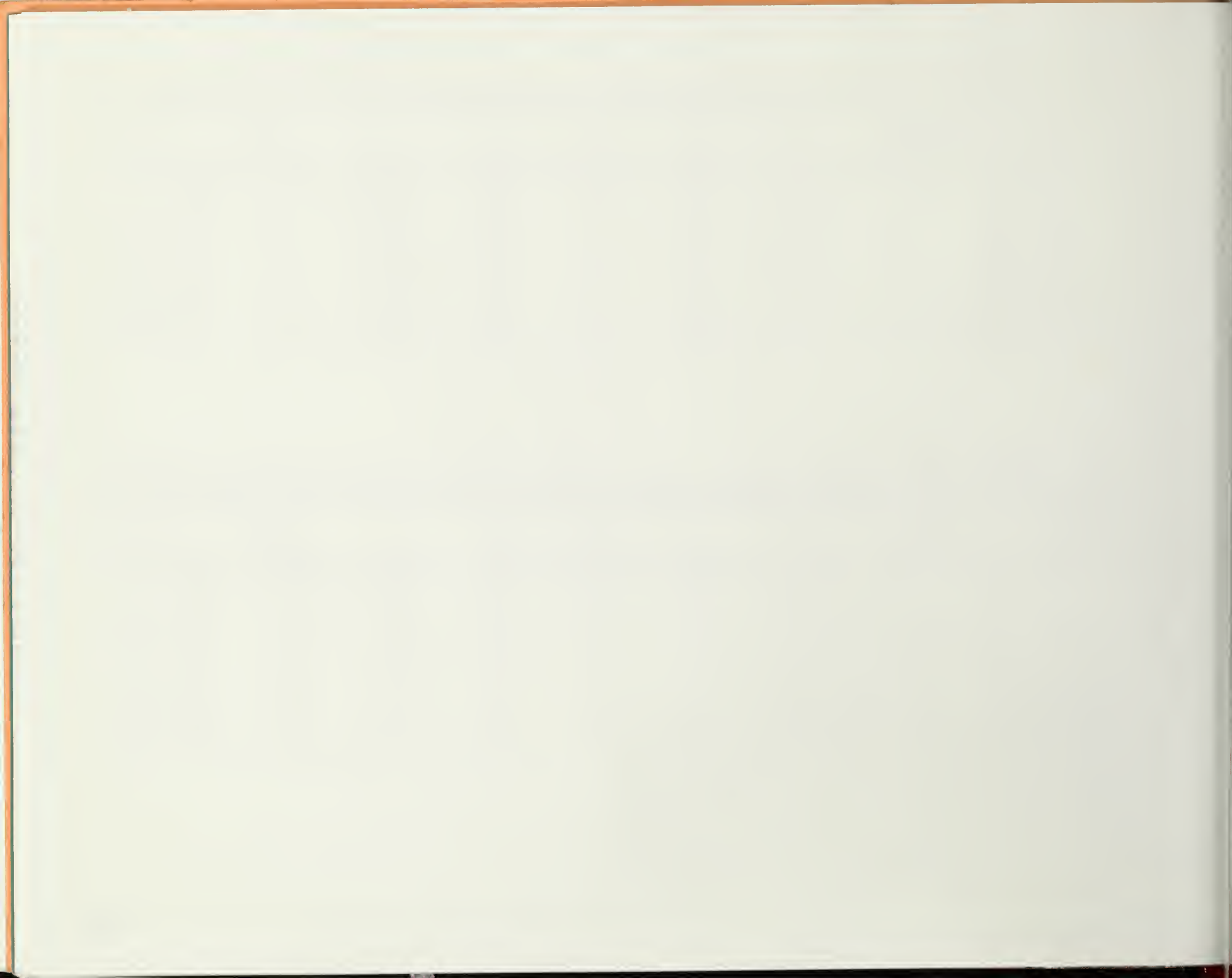
range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1986

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	57	3.29 - 84.55	4.05	5.85	8.81	13.83	23.74	12.61
2,000 - 4,999	50	2.75 - 25.05	3.25	4.11	6.19	8.03	11.49	7.39
5,000 - 9,999	70	1.43 - 10.02	2.56	3.24	4.38	5.94	7.17	4.71
10,000 - 24,999	90	1.16 - 13.35	2.24	2.94	3.75	4.74	5.78	4.01
25,000 - 49,999	40	0.66 - 12.47	1.54	3.05	3.83	5.07	6.57	4.18
50,000 - 99,999	18	1.75 - 7.12	2.12	2.60	3.35	4.12	4.61	3.54

TABLE I - CIRCULATION PER CAPITA

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1986

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	57	1.93 - 50.97	3.83	4.81	6.69	9.77	13.99	9.22
2,000 - 4,999	50	1.59 - 33.48	3.47	5.29	6.62	10.76	16.34	8.83
5,000 - 9,999	70	0.88 - 20.69	2.52	4.12	5.86	7.89	11.39	6.51
10,000 - 24,999	90	2.35 - 15.32	3.39	4.65	7.02	8.86	11.70	7.14
25,000 - 49,999	40	0.86 - 16.99	2.58	4.41	5.71	7.14	9.92	6.24
50,000 - 99,999	18	1.32 - 8.42	1.50	2.21	3.69	5.17	7.21	4.05



Section Two: Data for Individual Municipalities

Population Group I
(1-1,999)

POPULATION GROUP I (1 - 1,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. ALFORD	394	341	W	1.00	1.00											
2. ASHFIELD	1,458	297	W	9.56	4.23	8.58	4.43	52	1.74	20	7.19	8.99	15	15	20	0.8
3. BECKET	1,339	299	W	5.88	4.07	5.88	1.12	19	1.23	21	26.30	11.47	12	14	15	0.4
4. BERNARDSTON	1,750	287	W								11.79	6.71			10.5	1.0
5. BLANDFORD	1,038	313	W	10.03	10.03	9.80	4.57	47	2.88	29	7.64	19.88	21	21	18	0.5
6. BUCKLAND	1,864	284	W	6.38	5.43	6.38	1.74	27	1.56	25	6.47	3.59	12.5	12.5	12.5	0.4
7. CHARLEMONT	1,149	308	W	3.98	2.83	3.70	2.72	73	0.83	22	10.18	6.66	10	10	10	0.3
8. CHESTER	1,123	310	W	8.09	5.17	7.09	4.42	62	1.43	20	9.19	4.69	15	15	20	0.6
9. CHESTERFIELD	1,000	316	W	6.47	6.47	6.40	3.81	60	1.99	31	8.60	5.71	15	15	15	0.4
10. CHILMARK	489	338	E	67.21	55.39	64.86	36.37	56	20.69	32	48.97	48.17	21	23	28.5	1.6
11. CLARKSBURG	1,871	283	W	4.07	3.90	4.07	2.15	53	1.80	44	4.82	9.63	26	15	25	0.7
12. COLRAIN	1,552	294	W	7.56	6.37	7.26	2.56	35	1.88	26	5.19	4.13	15	15	15	0.5
13. CONWAY	1,213	304	W								11.87	11.74			15	0.7
14. CUMMINGTON	657	328	W	5.84	5.24	5.84	0.12	2	3.70	63	14.33	9.12	10	10	20.0	0.6
15. DUNSTABLE	1,671	290	E	8.16	7.10	7.89	4.69	59	2.74	35	11.34	7.74	15	16.5	20	1.2
16. EAST BROOKFIELD	1,955	282	C	7.75	7.37	7.37	5.26	71	1.48	20	5.54	10.01	30	30	30	0.9
17. EGREMONT	1,311	301	W	3.95	3.95	3.95	2.93	74	0.99	25	6.42	2.52	13	13	13	0.4
18. ERVING	1,326	300	W	6.30	6.30	6.30	2.38	38	3.85	61	17.11	5.49	10	10	6	0.3
19. FLORIDA	730	323	W	3.76	3.76	3.76	0.55	15	3.21	85	11.26	10.16	12	2	12	0.3
20. GAY HEAD	220	347	E	30.80	30.80	30.11	16.70	55	11.60	39	23.03	11.38	10	10	10	0.3
21. GILL	1,259	303	W													
22. GOSHEN	651	329	W	6.68	4.38	6.22	2.76	44	3.15	51	9.37	11.37	10	10	10	0.3
23. GOSNOLD	63	351	E													
24. GRANVILLE	1,204	305	W	10.00	10.00	10.00	4.21	42	2.98	30			17	12		
25. HANCOCK	643	331	W													
26. HAWLEY	280	345	W													

Does not have a public library.

POPULATION GROUP I (1 - 1,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
27. HEATH	482	339	W	12.81	12.55	12.81	8.09	63	4.26	33	31.44	15.69	11	11	15	0.4
28. HINSDALE	1,707	288	W	4.30	2.87	4.30	1.27	30	1.07	25	3.95	9.81	11	11	11	0.3
29. HOLLAND	1,589	292	W	3.40	3.40	3.39	1.21	36	1.36	40	4.09	3.78	10	10	10	0.3
30. HUBBARDSTON	1,797	286	C	6.88	6.75	6.39	2.75	43	1.90	30	5.70	4.49	18	12	18	0.5
31. HUNTINGTON	1,804	285	W	5.37	5.37	5.21	2.21	42	1.07	21	4.83	4.87	13	13	13	0.9
32. LEVERETT	1,471	296	W	3.42	3.42	3.42	2.10	61	1.04	30	3.89	3.87	18	15	16.5	0.5
33. LEYDEN	498	337	W	7.63	7.63	7.30	4.17	57	1.68	23	8.90	9.12	10	10	10	0.3
34. MIDDLEFIELD	385	342	W	3.61	3.61	3.35	1.04	31	2.25	67	20.53	7.76	11	7.5	11	0.3
35. MILLVILLE	1,693	289	C	5.14	5.14											
36. MONROE	179	348	W								25.39	8.73			2	0.1
37. MONTEREY	818	322	W	15.84	15.84	15.84	9.11	58	3.15	20	7.70	6.33	11	11	18	0.6
38. MONTGOMERY	637	332	W				Has no year-round public library.									
39. MOUNT WASHINGTON	93	350	W								27.63	4.78			0.3	0.0
40. NEW ASHFORD	159	349	W				Does not have a public library.									
41. NEW BRAINTREE	671	327	C	4.02	4.02	4.02	0.39	10	3.49	87	7.42	15.06	10	10	15	0.4
42. NEW MARLBOROUGH	1,160	307	W	5.53	4.74	4.87	2.39	49	1.00	21	3.79	6.09	11	15	14	0.4
43. NEW SALEM	688	326	W	5.48	5.10	5.29	2.15	41	1.56	29	12.44	7.05	16	16	11.5	0.6
44. OAK BLUFFS	1,984	280	E	18.25	15.65	15.65	11.95	76	3.23	21	5.59	6.64	20.5	32.5	26	2.0
45. OAKHAM	994	317	C	10.05	9.85	10.05	5.74	57	2.08	21	15.74	11.51	17	14.5	16.5	0.8
46. OTIS	963	318	W													
47. PELHAM	1,112	311	W	5.38	4.37	4.37	2.14	49	1.98	45	6.84	4.14	14	14	10	0.3
48. PERU	633	333	W	1.70	0.98	1.52	0.00	0	0.45	30	8.71	3.90	10	10	0.0	0.0
49. PETERSHAM	1,024	314	C	22.99	2.61	21.92	6.71	31	5.10	23	17.39	8.84	23.5	23.5	13.5	0.8
50. PHILLIPSTON	953	320	C	4.61	4.19	3.41	1.47	43	1.11	33	8.94	5.04	10	10	10	0.3
51. PLAINFIELD	425	340	W	11.47	11.47	9.88	5.39	55	3.90	39	19.21	13.52	13.5	13.5	15	0.4
52. PLYMPTON	1,974	281	E	11.39	11.39	10.96	6.43	59	3.21	29	7.27	6.56	28	28	30	1.4

POPULATION GROUP I (1 - 1,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
53. RICHMOND	1,659	291	W	4.45	4.45	4.45	3.19	72	0.89	20	3.53	6.09	11	11	11	0.5
54. ROWE	336	344	W	48.92	48.92	48.92	25.37	52	12.76	26	84.55	50.97	15	15	15	0.6
55. ROYAL STON	955	319	C	8.12	8.12	8.11	2.90	36	2.43	30	8.69	4.86	15	15	15	0.4
56. RUSSELL	1,570	293	W	5.84	5.84	5.59	3.13	56	1.71	31	3.29	3.50	21.5	21.5	10	0.8
57. SANDSFIELD	720	324	W	6.39	6.39	6.39	4.33	68	1.74	27	7.36	6.56	14	16	12	0.4
58. SAVOY	644	330	W													
59. SHUTESBURY	1,049	312	W	4.40	2.10	3.99	1.77	44	0.90	23	4.53	1.93	10	11	8	0.2
60. TOLLAND	235	346	W													
61. TRURO	1,486	295	E	10.02	9.70	10.02	4.30	43	3.14	31	11.55	5.71	14	24	19	0.6
62. TYRINGHAM	344	343	W													
63. WALES	1,177	306	W	5.36	5.19	5.54	2.20	40	1.95	35	6.29	3.84	12	12	15	0.4
64. WARWICK	603	334	W	12.30	8.16	9.90	4.87	49	2.48	25	14.28	9.00	10	10	10	0.3
65. WASHINGTON	587	336	W				Does not have a public library.									
66. WENDELL	694	325	W	6.20	6.20	6.20	2.94	47	1.39	22	12.47	4.01	10	10	10	0.3
67. WEST STOCKBRIDGE	1,280	302	W	4.17	4.00	4.15	2.17	52	1.59	38	4.64	6.27	14	14	14	0.4
68. WEST TISBURY	1,010	315	E	37.60	37.60	31.97	20.14	63	7.04	22	14.50	21.52	16	22	20	1.8
69. WESTHAMPTON	1,137	309	W	10.94	8.89	10.47	4.62	44	2.71	26	7.88	8.01	16	16	16	0.6
70. WHATELY	1,341	298	W	10.91	10.91	10.91	5.36	49	2.29	21	11.28	8.79	16	14	25	1.3
71. WINDSOR	598	335	W													
72. WORTHINGTON	932	321	W	10.92	6.11	9.89	4.09	41	2.18	22	10.01	7.58	15	15	15	0.5

Population Group II
(2,000 -4,999)

POPULATION GROUP 11 (2,000 - 4,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. ASHBURNHAM	4,075	238	C	10.15	8.43	10.15	6.18	61	2.17	21	5.50	7.34	49	49	40	2.4
2. ASHBY	2,311	273	C	3.82	3.82											
3. BARRE	4,102	237	C	12.38	10.17	12.38	7.02	57	3.27	26	5.85	4.23	25	25	35	2.1
4. BERKLEY	2,731	266	E	4.53	4.53	4.53	2.59	57	1.15	25	4.43	2.44	18	11	18	0.9
5. BERLIN	2,215	276	C	10.63	9.88	10.00	6.82	68	2.31	23	3.96	5.93	22	16	20	1.3
6. BOLTON	2,530	267	C	9.85	9.85	9.84	5.38	55	2.09	21	5.61	5.77	16	16	25	1.3
7. BOXBOROUGH	3,126	256	C	8.95	8.88	8.94	5.58	62	2.44	27	6.39	8.06	24	23	18	1.7
8. BOYLSTON	3,470	252	C	19.72	17.23	17.57	10.44	59	4.75	27	5.86	6.73	30.5	30.5	35	3.1
9. BRIMFIELD	2,318	272	C	6.45	6.45											
10. BROOKFIELD	2,397	269	C	8.11	7.27	8.11	4.23	52	2.10	26	6.19	5.55	21	21	21	0.9
11. CARLISLE	3,306	253	E	22.89	21.64	21.53	14.14	66	5.76	27	8.45	18.71	58	58	37	3.6
12. CHESHIRE	3,124	257	W	3.01	1.94	2.29	1.03	45	1.24	54	9.15	4.08	16	16	15.0	0.4
13. DEERFIELD	4,517	230	W	7.54	7.20	7.25	4.05	56	2.31	32	9.96	6.00	28	26	15	1.8
14. DOUGLAS	3,730	248	C	6.71	6.27	6.18	4.00	65	1.40	23	3.92	3.24	24	21	27	2.1
15. DOVER	4,703	228	E	16.68	15.90	15.24	8.33	55	3.63	24	8.11	7.37	50	36	37	3.4
16. EASTHAM	3,472	251	E	18.41	17.48	18.14	11.77	65	4.57	25	5.05	14.69	38	46	35	2.7
17. EDGARTOWN	2,204	278	E	54.36	39.28	49.58	28.68	58	11.63	23	15.94	16.34	34.5	40	26.5	4.4
18. ESSEX	2,998	261	E	7.17	5.37	7.17	4.58	64	1.88	26	4.92	6.33	27	22	27	1.1
19. HADLEY	4,125	236	W	7.20	6.91	6.37	3.57	56	1.57	25	3.51	4.79	38	38	35	1.3
20. HAMPDEN	4,745	227	W	6.93	6.41	6.41	4.12	64	1.71	27	3.16	5.89	26	21	26.5	2.2
21. HARDWICK	2,272	274	W	7.09	3.87	7.09	2.47	35	1.77	25	6.31	3.47	18.5	20	15	0.8
22. HATFIELD	3,045	259	W	6.62	6.62	6.55	3.16	48	2.00	31	8.71	6.62	15	8	20	1.0
23. HOPEDALE	3,905	242	C	20.10	17.91	17.24	8.67	50	4.08	24	7.55	9.14	30	22	30	3.4
24. LANESBOROUGH	3,131	255	W	2.24	2.15	2.24	1.69	75	0.50	22	3.17	4.34	15	15	15	0.6
25. MARION	3,932	241	E	17.20	13.09	15.80	8.87	56	4.83	31	7.81	10.98	36.5	36.5	40	3.1
26. MASHPEE	3,700	249	E	11.07	10.94	10.49	7.22	69	2.27	22	2.98	5.63	26	29	28	1.9

POPULATION GROUP II (2,000 - 4,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
27. MENDON	3,108	258	C	4.25	3.76	4.25	1.54	36	2.34	55	6.78	1.59	19	15	14.5	0.6
28. MERRIMAC	4,451	231	E	12.33	12.12	11.79	8.40	71	2.50	21	4.86	6.85	52	48	40	3.9
29. MIDDLETON	4,135	235	E	19.66	19.66	19.66	12.40	63	4.35	22	7.94	7.22	50	30	30	4.3
30. NAHANT	3,947	240	E	20.09	20.09	20.09	12.45	62	4.41	22	19.40	13.44	35	51	40	4.1
31. NEWBURY	4,529	229	E	10.75	10.75	10.75	7.26	68	2.18	20	2.75	5.21	37	30	33.5	3.1
32. NORTH BROOKFIELD	4,150	233	C	8.81	7.33						6.83	5.74			24	1.6
33. NORTHFIELD	2,386	270	W	18.61	17.31	17.04	10.49	62	3.71	22	11.49	13.52	31	31	40	2.6
34. PAXTON	3,762	247	C	10.67	9.50	10.60	6.17	58	2.97	28	5.13	6.32	34	20	35	2.4
35. PRINCETON	2,425	268	C	11.77	9.98	11.56	5.89	51	3.79	33	5.76	11.84	21	18	17	1.5
36. PROVINCETOWN	3,536	250	E	28.96	26.94	28.01	16.93	60	5.87	21	3.58	5.51	45	45	40	4.7
37. ROCHESTER	3,205	254	E	3.82	3.82	3.64	1.44	40	0.85	23	3.25	2.80	15	15	16	0.5
38. ROWLEY	3,867	245	E	10.47	10.47	10.47	6.05	58	2.66	25	7.19	4.68	23	23	27.5	2.5
39. RUTLAND	4,334	232	C	8.63	6.40	8.62	3.78	44	3.04	35	3.61	5.40	29	25.5	22	2.6
40. SHEFFIELD	2,743	265	W	14.54	14.54	14.52	9.04	62	3.40	23	10.64	6.65	27	27	40	1.8
41. SHELBURNE	2,002	279	W	10.95	5.71	11.11	5.87	53	3.80	34	23.81	14.46	18	18	15	1.3
42. SHERBORN	4,049	239	E	23.98	23.82	23.69	14.60	62	4.75	20	10.41	10.53	56	43	37.5	5.4
43. SOUTHAMPTON	4,137	234	W	10.40	9.56	9.33	5.76	62	2.29	25	4.24	7.93	18	18	22	2.1
44. STOCKBRIDGE	2,328	271	W	44.80	9.77	44.80	23.63	53	6.19	14	25.05	24.95	51	53	40	5.0
45. SUNDERLAND	2,929	263	W	5.92	5.80	5.92	3.39	57	1.72	29	3.89	5.12	18	18	19	0.9
46. TISBURY	2,972	262	E													
47. UPTON	3,886	244	C	7.28	6.79	7.13	4.93	69	1.99	28	7.59	6.67	42	42	40	2.0
48. WARREN	3,777	246	C	10.58	8.43	9.52	4.38	46	2.34	25	3.83	5.35	26.5	29.5	35	1.8
49. WELL FLEET	2,209	277	E	29.57	28.28	29.57	21.66	73	6.48	22	11.58	23.81	34	34	35	3.3
50. WENHAM	3,897	243	E	23.81	21.69	21.41	13.09	61	5.40	25	7.58	20.25	33	29	32.5	3.9
51. WEST BROOKFIELD	3,026	260	C	7.02	3.84	7.02	4.22	60	1.40	20	6.06	11.39	24	24	19	1.4
52. WEST NEWBURY	2,861	264	E	20.27	18.69	19.16	12.10	63	4.80	25	7.46	33.48	36	29	40	2.8

POPULATION GROUP 11 (2,000 - 4,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY EXP \$ PER CAP	\$ TOT EXP	MATERLS EXP \$ PER CAP	\$ TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
53. WILLIAMSBURG	2,237	275	W	0.67	0.67						6.22	7.21			20	1.3

Population Group III
(5,000 - 9,999)

POPULATION GROUP III (5,000 - 9,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY EXP \$ PER CAP	% TOT EXP	MATERLS EXP \$ PER CAP	% TOT EXP	HLDS P C	CIRC P C	HOURS W IN	OPEN SUM	HRS IN WORK WEEK	FTE
1. ACUSHNET	8,704	164	E	2.55	1.94	2.17	1.44	67	0.34	16	2.38	2.20	15	15	20	1.5
2. ASHLAND	9,165	157	E	6.12	6.05						3.92	4.52			35	4.1
3. AVON	5,026	226	E	14.80	14.21	14.80	8.98	61	3.11	21	7.03	5.56	49	42.5	35	3.9
4. AYER	6,993	184	C	10.32	10.11	9.71	5.45	56	2.43	25	2.74	3.49	45	45	40	3.8
5. BELCHERTOWN	8,339	169	W	4.42	4.27	4.26	2.30	54	1.06	25	2.56	3.22	25	15	30	2.3
6. BLACKSTONE	6,570	192	C	3.33	3.33	3.29	2.36	72	0.82	25	2.66	1.11	25	14	25	1.4
7. BOXFORD	5,374	217	E	19.43	17.64	19.43	11.51	59	4.59	24	7.03	8.77	58	58	40	5.7
8. BREWSTER	5,226	220	E	19.71	16.09	16.96	9.88	58	3.86	23	4.20	11.51	34	29	35	5.7
9. CARVER	6,988	185	E	8.00	7.96	7.96	4.82	61	1.92	24	3.02	5.25	38	38	35	2.9
10. CHARLTON	6,719	191	C	3.57	3.49											
11. CHATHAM	6,071	202	E	12.57	9.33	12.36	7.03	57	2.81	23	6.40	13.74	34	34	35	3.8
12. COHASSET	7,174	179	E	26.37	25.75	26.37	18.14	69	6.33	24	7.26	12.14	53	50	35	7.7
13. DALTON	6,797	190	W	10.39	10.39	10.09	6.60	65	2.55	25	4.92	7.75	37.5	37.5	40	3.8
14. DIGHTON	5,352	218	E	2.66	2.66											
15. DUDLEY	8,717	163	C	7.13	7.10	7.13	4.43	62	1.37	19	3.43	5.18	51	48	40	3.3
16. EAST BRIDGEWATER	9,945	152	E	13.90	13.45	12.79	8.94	70	2.47	19	5.04	4.47	52	47	35	8.1
17. FREETOWN	7,058	182	E	3.62	2.97	3.07	1.48	48	1.07	35	3.05	2.85	28	28	10	1.3
18. GEORGETOWN	5,687	210	E	12.32	12.23	12.08	6.76	56	3.10	26	8.06	8.53	31	27	30	3.1
19. GRANBY	5,380	216	W	6.82	6.82	6.40	4.33	68	1.26	20	3.63	3.95	29.5	25.5	35	2.3
20. GREAT BARRINGTON	7,405	174	W	15.24	14.48	14.88	8.39	56	3.30	22	10.02	9.02	49	48.5	40	6.3
21. GROTON	6,154	201	C	13.45	13.44	13.41	9.17	68	2.80	21	7.67	7.03	35	25	36	5.2
22. GROVELAND	5,040	225	E	8.47	6.46	8.47	4.43	52	2.81	33	4.21	6.43	26	23	28	2.4
23. HALIFAX	5,513	213	E	11.31	10.99	10.99	7.30	66	2.45	22	4.20	5.86	46	46	40	3.6
24. HAMILTON	6,960	187	E	17.98	17.98	17.88	10.56	59	4.89	27	5.44	7.82	46	35	40	5.6
25. HANSON	8,617	165	E	5.19	5.12	4.92	3.41	69	1.04	21	2.62	3.11	40	34	35	2.4
26. HARWICH	8,971	159	E	12.97	10.65	11.67	6.52	56	2.62	22	6.45	12.62	46	48	35	6.1

POPULATION GROUP III (5,000 - 9,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
27. HOPKINTON	7,114	180	C	13.70	12.43						4.32	9.69			35	5.5
28. HULL	9,714	153	E	7.43	7.43	7.43	5.21	70	1.46	20	5.15	3.38	52	48	35	3.8
29. KINGSTON	7,362	176	E	14.23	14.23	13.90	9.13	66	3.12	22	5.76	6.65	37.5	32.5	35	4.9
30. LAKEVILLE	5,931	206	E	5.48	5.48	4.69	3.08	66	0.79	17	2.11	2.31	24	24	22	1.9
31. LANCASTER	6,334	197	C	16.99	13.03	16.35	8.40	51	3.51	21	7.17	4.78	40	37	35	4.5
32. LEE	6,247	198	W	16.65	14.79	15.07	7.56	50	3.15	21	8.18	6.77	38	38	35	3.5
33. LEICESTER	9,446	155	C	5.43	5.43	5.32	3.32	62	1.34	25	1.83	2.52	35	28	32	3.0
34. LENOX	6,523	193	W													
35. LINCOLN	7,098	181	E	38.31	37.55	37.64	25.46	68	7.07	19	9.44	11.99	59.5	52.5	40	12.0
36. LITTLETON	6,970	186	C	12.19	11.70	12.12	7.34	61	3.46	29	6.95	9.94	47	47	35	5.3
37. LUNENBURG	8,405	167	C	11.41	10.95	11.26	7.72	69	2.34	21	3.29	6.56	48	44	37.5	4.9
38. MANCHESTER	5,424	215	E	20.10	18.58	20.05	12.09	60	4.04	20	8.69	9.81	45	39	37.5	4.2
39. MATTAPOISETT	5,597	212	E	8.02	7.61	7.61	4.75	62	1.51	20	3.57	5.50	28	33	28	3.4
40. MAYNARD	9,590	154	E	10.57	10.57	10.57	7.29	69	2.01	19	3.75	3.33	35	35	35	4.5
41. MEDWAY	8,447	166	E	11.53	11.53	11.3	7.27	63	2.20	19	4.38	6.78	47	40	40	4.9
42. MILLIS	6,908	188	E	10.04	9.77	9.77	7.01	72	2.17	22	6.00	5.91	42	37	35	5.2
43. MONSON	7,315	177	W	10.90	9.34	10.61	6.97	66	2.30	22	3.93	3.41	51	44	35	4.2
44. MONTAGUE	8,011	171	W	11.87	11.84	11.50	7.81	68	2.55	22	6.32	5.19	43.5	40	35	4.3
45. NANTUCKET	5,087	224	E													
46. NORFOLK	6,363	194	E	15.96	15.55	15.55	9.75	63	3.52	23	2.79	9.76	48	38	35	4.5
47. NORWELL	9,182	156	E	17.07	16.74	16.73	11.11	66	3.18	19	4.40	7.66	51	44	37.5	7.5
48. ORANGE	6,844	189	W	10.83	9.74	10.14	6.12	60	2.42	24	4.85	5.35	41.5	41.5	35	3.5
49. ORLEANS	5,306	219	E	24.29	22.48	23.34	14.24	61	5.11	22	4.98	20.69	43	36	40	7.8
50. PEPPERELL	8,061	170	C	14.54	14.45	14.54	9.43	65	2.76	19	3.40	6.90	40	37	40	5.8
51. PLAINVILLE	5,857	207	E	3.94	3.94	3.75	1.70	45	1.15	31	1.99	1.61	29	29	22.5	1.3
52. RAYNHAM	9,085	158	E	4.31	4.02	4.27	2.62	61	0.91	21	2.89	4.17	36	24	25	2.5

POPULATION GROUP III (5,000 - 9,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
53. REHOBOTH	7,570	173	E	1.68	1.55	1.68	0.85	51	0.43	26	1.43	0.88	25	16	35	1.0
54. ROCKPORT	6,345	196	E	16.31	15.41	16.31	11.80	72	3.76	23	6.50	11.02	35	35	35	6.2
55. SALISBURY	5,973	205	E	9.28	9.28	9.28	5.71	62	2.32	25	4.42	7.17	49	49	37	3.4
56. SANDWICH	8,727	162	E	21.57	18.80	21.57	14.21	66	3.81	18	4.63	7.98	42	42	35	9.1
57. SHIRLEY	5,124	223	C	6.10	5.49	5.32	3.27	62	1.47	28	5.30	2.25	27	27	26	1.9
58. SOUTHBOROUGH	6,193	200	C	17.93	17.59	17.69	12.25	69	3.79	21	6.90	11.57	48	41	40	5.1
59. SOUTHWICK	7,382	175	W	5.31	4.99	5.21	2.75	53	1.52	29	2.04	4.48	39	35	35	2.5
60. STERLING	5,440	214	C	13.88	13.88	13.88	8.60	62	3.61	26	4.21	7.94	40	40	40	3.8
61. STOW	5,144	221	E	12.65	10.61	11.76	5.93	50	3.28	28	5.87	4.88	42	38	35	2.5
62. STURBRIDGE	5,976	204	C	7.06	6.76	7.06	4.65	66	1.38	20	2.89	6.82	48	48	20	2.8
63. SUTTON	5,855	208	C	5.10	5.03	5.07	3.01	59	1.30	26	3.24	3.69	27	27	23	1.9
64. TEMPLETON	6,070	203	C	3.40	3.04											
65. TOPSFIELD	5,709	209	E	20.48	20.22	18.64	11.28	61	4.33	23	6.41	11.39	46	41	37.5	5.9
66. TOWNSEND	7,201	178	C	7.75	7.62	7.55	4.52	60	1.83	24	3.23	5.62	32	25	32	2.9
67. TYNGSBOROUGH	5,683	211	E	7.12	6.94	7.12	4.18	59	1.95	27	3.08	5.67	35	25	35	2.2
68. UXBRIDGE	8,374	168	C	10.26	8.49	10.33	6.25	60	2.76	27	5.40	7.05	30	30	35	5.4
69. WARE	8,953	160	W	9.76	7.22	10.13	5.72	56	2.01	20	4.84	6.24	33	33	35	4.0
70. WEST BOYLSTON	6,204	199	C	16.94	15.17	15.39	10.43	68	3.31	21	5.28	4.91	29.5	23	35	5.5
71. WEST BRIDGEWATER	6,359	195	E	14.22	14.22	14.22	8.98	63	2.78	20	4.83	4.05	34	29	35	3.8
72. WESTMINSTER	5,139	222	C	13.18	13.13	13.18	8.75	66	2.49	19	4.68	7.25	41	35	35	3.4
73. WILLIAMSTOWN	8,741	161	W	10.34	10.17	9.00	5.65	63	1.84	20	3.55	7.64	43	40	37.5	4.5
74. WINCHENDON	7,019	183	C	8.86	6.71	7.35	5.10	69	1.42	19	3.79	5.22	35	35	37	2.9
75. WRENTHAM	7,580	172	E	12.59	12.59	12.41	7.55	61	3.15	25	3.30	5.51	51.5	47.5	35	4.0

Population Group IV
(10,000-24,999)

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDS P C	CIRC P C	HOURS W IN	OPEN SUM	HRS IN WORK WEEK	FTE
1. ABINGTON	13,517	119	E	10.19	9.79	10.21	7.36	72	2.13	21	2.96	4.68	53	42.5	35	6.7
2. ACTON	17,544	91	E	16.94	16.46	16.72	13.14	79	3.07	18	3.68	10.37	67	56	40	13.4
3. ADAMS	10,381	150	W	10.97	10.22	10.68	7.73	72	2.12	20	3.83	7.85	55	55	35	5.7
4. AMESBURY	13,971	112	E	15.54	15.54	15.44	11.29	73	3.16	20	7.16	8.35	58	58	35	11.5
5. ATHOL	10,634	148	C	14.24	13.96	13.29	9.33	70	2.48	19	3.35	7.98	62	53	40	8.6
6. AUBURN	14,845	107	C	18.52	18.39	18.14	11.00	61	3.37	19	3.58	8.48	61.5	51.5	35	11.4
7. BEDFORD	13,067	125	E	26.04	26.04	25.95	17.38	67	5.23	20	5.28	8.99	67	64	40	14.3
8. BELL INGHAM	14,300	109	E	5.27	5.27	5.27	3.33	63	1.47	28	1.82	3.20	48	42	35	3.7
9. BOURNE	13,874	113	E	12.14	12.14	11.94	8.59	72	1.93	16	3.47	5.76	58	58	37.5	9.2
10. BRIDGEWATER	17,202	94	E	17.61	16.75	16.57	11.69	71	2.60	16	4.20	7.50	58	43	35	14.7
11. BURLINGTON	23,486	68	E	12.18	12.00	11.90	8.52	72	2.39	20	2.79	5.09	63	52	35	13.0
12. CANTON	18,182	87	E	18.45	17.94	18.29	13.08	72	3.34	18	4.44	6.27	51.5	51.5	35	13.6
13. CLINTON	12,771	127	C	8.01	8.01	7.52	4.93	66	1.29	17	7.16	3.35	43	42	37	5.6
14. CONCORD	16,293	101	E	40.78	34.00	40.75	28.43	70	5.91	14	13.35	15.32	71	60	37.5	28.1
15. DANVERS	24,100	65	E	16.50	14.68	16.50	11.57	70	3.40	21	4.77	8.82	64	60	37.5	18.4
16. DARTMOUTH	23,966	66	E	12.87	12.81	12.87	9.18	71	1.96	15	4.14	7.14	63	63	35	16.8
17. DENNIS	12,360	130	E	7.51	3.55	4.76	1.83	38	1.14	24	4.70	5.09	40.5	38	35	2.7
18. DRAQT	21,249	73	E	9.43	9.35	9.35	6.02	64	1.57	17	2.54	3.50	55	46	35	8.6
19. DUXBURY	11,807	137	E	21.63	19.70	21.55	12.98	60	4.10	19	5.31	9.56	62	58	35	11.0
20. EAST LONGMEADOW	12,905	126	W	17.82	17.77	17.22	11.33	66	2.84	16	4.29	10.98	62	52	37	11.4
21. EASTHAMPTON	15,580	105	W	6.60	4.84	6.54	4.55	70	1.00	15	2.24	3.80	50.5	50.5	35	5.2
22. EASTON	16,623	96	E	6.79	0.62	7.06	3.77	53	1.19	17	2.91	3.93	50	28	35	6.2
23. FAIRHAVEN	15,759	103	E	12.36	11.26	11.90	5.99	50	2.72	23	5.78	4.66	60	60	37	8.6
24. FALMOUTH	23,640	67	E	21.19	18.94	21.16	14.39	68	3.50	17	5.14	12.41	51	56	37.5	24.6
25. FOXBOROUGH	14,148	110	E	17.73	17.39	16.31	11.17	68	3.26	20	4.35	7.64	52	52	35	11.4
26. FRANKLIN	18,217	86	E	8.22	8.22	7.93	5.64	71	1.36	17	2.66	5.91	58	51	35	7.5

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
27. GARDNER	17,900	90	C	14.13	12.53	14.13	9.16	65	2.59	18	3.28	8.30	62.5	54.5	37.5	11.9
28. GRAFTON	11,238	143	C	7.68	7.68	7.31	4.20	57	2.22	30	4.13	3.87	41	34	35	4.3
29. GREENFIELD	18,436	85	W	11.85	11.68	11.41	8.64	76	1.73	15	5.23	6.26	54	41	37.5	10.8
30. HANOVER	11,358	141	E	11.54	10.84	11.47	7.69	67	2.54	22	4.92	7.58	51	44	35	6.3
31. HARVARD	12,170	133	C	7.23	6.70	7.23	3.88	54	2.12	29	2.50	3.43	49	43	30	4.0
32. HINGHAM	20,339	77	E	26.18	22.19						8.90	15.31			35	22.5
33. HOLBROOK	11,140	146	E	12.83	11.62	11.61	7.66	66	2.35	20	3.75	5.40	40	40	37.5	6.5
34. HOLDEN	13,336	123	C	16.01	15.67	15.06	10.17	68	2.47	16	3.20	9.93	52	41	35	9.0
35. HOLLISTON	12,622	129	E	8.71	8.55	8.49	5.94	70	1.53	18	3.48	6.89	52	44	37.5	5.7
36. HUDSON	16,408	97	C	12.31	12.21	12.17	8.81	72	2.28	19	2.83	7.57	61	53	37.5	10.1
37. IPSWICH	11,158	145	E	14.82	14.82	14.82	10.39	70	2.93	20	5.24	8.30	54.5	42	37.5	8.4
38. LONGMEADOW	16,301	100	W	14.56	13.47	14.42	8.65	60	2.88	20	3.87	12.64	57	50	36	11.0
39. LUDLOW	18,150	88	W	7.25	7.25	7.14	4.61	65	1.53	21	1.83	3.54	54.5	49.5	40	6.1
40. LYNNFIELD	11,267	142	E	20.25	19.42	20.25	13.64	67	4.80	24	6.01	11.97	67	56	35	9.6
41. MANSFIELD	13,453	121	E	10.00	9.91	9.72	6.62	68	2.07	21	2.96	6.13	52	45	36	6.9
42. MARBLEHEAD	20,126	79	E	22.53	22.53	22.38	15.52	69	4.09	18	4.57	11.59	64	60	40	21.7
43. MARSHFIELD	20,916	75	E	11.27	11.15	11.15	8.68	78	2.02	18	2.95	8.17	59	59	37.5	11.6
44. MEDFIELD	10,220	151	E	10.78	10.68	10.47	6.52	62	2.23	21	3.03	7.40	53.5	48.5	37.5	5.8
45. MIDDLEBOROUGH	16,404	98	E	9.44	7.98	8.87	5.56	63	1.95	22	6.70	4.26	50	50	37.5	7.6
46. MILFORD	23,390	69	C	15.47	15.47	15.47	9.62	62	4.14	27	1.16	3.08	62	54	35	17.5
47. MILLBURY	11,808	136	C	11.19	11.19	11.19	6.51	58	2.44	22	3.05	3.66	41	41	40	6.6
48. NEWBURYPORT	15,900	102	E	16.09	16.02	15.02	10.43	69	2.88	19	4.59	6.25	60	56	35	12.5
49. NORTH ADAMS	18,063	89	W	7.75	7.75	7.71	6.09	79	1.26	16	2.41	3.77	53	49	37.5	8.1
50. NORTH ANDOVER	20,129	78	E	14.02	12.93	13.95	9.26	66	2.51	18	3.16	5.91	67	56	38	11.3
51. NORTH ATTLEBOROUGH	21,095	74	E	7.47	7.33	7.33	5.17	70	1.31	18	1.63	3.82	50	39	37	9.4
52. NORTH READING	11,455	139	E	11.97	11.83	11.68	8.07	69	2.45	21	3.17	2.91	54	47	35	6.5

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY EXP \$ % PER TOT CAP EXP	MATERLS EXP \$ % PER TOT CAP EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
53. NORTHBOROUGH	10,568	149	C	24.07	22.89	24.07	14.58 61	5.10 21	4.97	11.99	54	54	40	11.3
54. NORTHBRIDGE	12,246	132	C	10.55	8.95	10.55	5.50 52	2.07 20	4.26	5.07	40.5	37.5	35	5.2
55. NORTON	12,690	128	E	6.61	5.88	6.61	4.44 67	1.33 20	2.13	3.20	44	40	37	5.0
56. OXFORD	11,680	138	C	9.64	9.54	8.44	6.04 72	1.63 19	2.33	3.04	40	36	35	6.0
57. PALMER	11,389	140	W	17.05	15.98	17.05	9.99 59	3.09 18	4.82	11.94	57	47	35	10.0
58. PEMBROKE	13,487	120	E	6.68	6.32	6.13	3.65 60	1.43 23	3.23	4.56	42	42	35	4.5
59. READING	22,678	70	E	19.35	18.54	18.08	12.40 69	3.18 18	4.40	12.30	67.5	60	37.5	18.7
60. ROCKLAND	15,695	104	E	7.74	7.46	7.71	5.56 72	1.46 19	2.43	5.25	54	47	35	8.9
61. SAUGUS	24,746	63	E	8.13	7.65	7.65	5.88 77	1.27 17	2.46	3.39	61.5	50.5	37.5	9.8
62. SCITUATE	17,317	93	E	15.51	15.09	14.98	10.07 67	2.58 17	3.91	8.56	56	52	35	9.6
63. SEEKONK	12,269	131	E	11.09	10.88	10.75	7.55 70	2.49 23	3.46	8.94	49	49	32.5	7.3
64. SHARON	13,601	117	E	19.35	19.28	19.35	12.38 64	4.46 23	4.69	10.34	50.5	50.5	37.5	11.2
65. SHREWSBURY	22,674	71	C	19.78	19.17	19.38	11.92 62	3.62 19	4.30	8.89	59	55	37.5	19.8
66. SOMERSET	18,813	82	E	12.49	12.49	12.06	8.41 70	2.22 18	3.98	6.69	71	68	35	12.3
67. SOUTH HADLEY	16,399	99	W	13.93	13.93	13.93	9.21 66	2.59 19	2.88	7.02	54	45	35	9.7
68. SOUTHBRIDGE	16,665	95	C	15.22	14.43	14.07	8.70 62	2.88 20	3.49	5.24	58	58	37.5	10.4
69. SPENCER	10,774	147	C	8.16	5.24	8.16	5.10 62	2.20 27	2.83	4.98	41	41	25	4.0
70. STONEHAM	21,424	72	E	15.81	15.81	15.47	10.83 70	2.46 16	3.62	7.46	62	51	35	14.5
71. SUDBURY	14,027	111	E	18.94	18.83	18.94	14.10 74	3.16 17	3.90	11.57	64	52	35	11.2
72. SWAMPSCOTT	13,837	114	E	17.53	17.16	17.48	12.78 73	3.27 19	5.48	7.75	60	52	35	11.3
73. SWANSEA	15,461	106	E	6.28	5.89	6.28	3.44 55	2.01 32	3.62	4.63	50	50	37.5	4.9
74. TEWKSBURY	24,635	64	E	6.58	6.38	6.57	4.56 69	1.24 19	1.72	2.86	58	51	37.5	6.4
75. WAKEFIELD	24,895	62	E	19.70	19.70	19.46	13.23 68	3.30 17	3.46	7.10	61	53	35	18.3
76. WALPOLE	18,859	81	E	13.82	13.55	13.66	9.04 66	3.25 24	5.04	7.15	63	55	35	12.8
77. WAREHAM	18,457	83	E	7.87	7.18	7.14	4.51 63	1.71 24	1.78	5.08	53	50	40	6.6
78. WAYLAND	12,170	133	E	23.84	23.48	23.84	17.56 74	4.32 18	5.86	12.20	67	57	35	12.3

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
79. WEBSTER	14,480	108	C	8.16	8.01	8.16	5.62	69	1.73	21	4.11	5.33	49	49	35	6.0
80. WESTBOROUGH	13,619	116	C	19.46	19.24	19.07	13.22	69	3.55	19	3.56	8.64	53	53	35	12.0
81. WESTFORD	13,434	122	E	20.78	19.55	19.64	13.80	70	3.23	16	3.89	7.37	59	44	37.5	13.4
82. WESTON	11,169	144	E	26.59	25.88	26.59	18.49	70	5.01	19	5.41	11.49	61	53	37.5	14.0
83. WESTPORT	13,763	115	E	6.68	6.60	6.62	4.48	68	1.11	17	2.24	5.06	48	48	37	4.9
84. WESTWOOD	13,212	124	E	29.52	29.45	27.14	20.00	74	4.34	16	7.42	11.07	67	60	35	15.9
85. WHITMAN	13,534	118	E	5.60	4.27	5.03	2.88	57	1.53	30	2.09	2.35	48.5	45.5	35	3.9
86. WILBRAHAM	12,053	135	W	14.26	13.93	13.77	7.93	58	2.69	20	4.39	7.89	59	52	35	8.6
87. WILMINGTON	17,471	92	E	14.04	14.04	13.42	10.53	78	2.49	19	4.43	6.58	60	52	35	13.3
88. WINCHESTER	20,701	76	E	26.95	26.41	26.52	18.10	68	4.40	17	5.84	11.70	63	44.5	35	21.8
89. WINTHROP	19,294	80	E	9.66	9.16	9.16	7.20	79	1.37	15	4.76	3.71	50	43	35	9.3
90. YARMOUTH	18,449	84	E	7.60	6.09	7.48	3.77	50	1.91	26	3.52	9.22	50.5	50.5	35	7.1



Population Group V
(25,000-49,999)

POPULATION GROUP V (25,000 - 49,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. AGAWAM	26,271	57	W	10.17	9.98	9.84	6.03	61	2.26	23	3.35	4.68	65	57	35	12.6
2. AMHERST	33,229	41	W	18.09	16.34	18.09	11.61	64	3.06	17	3.98	7.10	63	59	37.5	31.1
3. ANDOVER	26,370	56	E	25.53	25.53	26.10	17.73	68	5.03	19	7.47	11.95	71	60	37.5	30.5
4. ARLINGTON	48,219	22	E	18.07	17.56	17.83	12.49	70	2.92	16	3.52	7.14	67	53	35	39.1
5. ATTLEBORO	34,196	40	E	9.84	9.09	9.84	6.12	62	1.87	19	3.19	4.41	63	50.5	35	16.9
6. BARNSTABLE	30,898	43	E	25.17	16.30	24.33	12.34	51	3.95	16	5.08	10.50	65	65	35	28.5
7. BELMONT	26,100	58	E	24.87	24.87	24.85	18.39	74	3.44	14	5.28	9.92	69	65	35	27.9
8. BEVERLY	37,655	30	E	17.94	16.78	14.39	9.24	64	2.39	17	3.89	5.83	69	60	35	21.9
9. BILLERICA	36,727	32	E	8.23	8.12	8.23	5.35	65	1.50	18	1.54	3.17	64	56	37.5	12.2
10. BRAINTREE	36,337	36	E	16.82	16.45	16.49	11.13	67	2.17	13	2.73	5.71	61	52.5	38	26.0
11. CHELMSFORD	31,174	42	E	16.33	15.86	15.50	10.70	69	2.74	18	2.92	6.98	68	65	37.5	23.6
12. CHELSEA	25,431	60	E	9.70	9.70	9.70	7.37	76	1.58	16	5.99	4.84	63	42	35	12.0
13. DEDHAM	25,298	61	E	16.39	15.22	16.25	11.31	70	2.24	14	6.57	5.33	64	64	37.5	17.9
14. EVERETT	37,195	31	E	12.26	12.00	11.60	9.09	78	1.65	14	5.37	3.30	72	56	37	19.5
15. FITCHBURG	39,580	28	C	17.07	15.90	16.35	10.94	67	2.58	16	4.60	6.67	65	53	37.5	30.7
16. GLOUCESTER	27,768	52	E	12.86	10.83	12.68	9.61	76	1.78	14	3.87	5.06	63	59	40	15.1
17. HAVERHILL	46,865	23	E	11.88	9.12	11.88	7.66	64	1.58	13	3.79	3.70	65.5	61.5	40	25.2
18. HOLYOKE	44,678	26	W	7.36	5.69	6.59	4.29	65	1.23	19	3.30	2.24	64	52	35	13.9
19. LEOMINSTER	34,508	38	C	11.57	11.32	11.55	8.12	70	1.91	17	3.16	4.56	64	60	37.5	18.1
20. LEXINGTON	29,479	47	E	32.47	28.41	32.47	22.00	68	4.73	15	7.51	16.99	70	66	37	41.8
21. MARLBOROUGH	30,617	44	E	12.09	11.73	12.03	8.29	69	1.74	14	3.88	6.29	66	54	35	19.5
22. MELROSE	30,055	45	E	12.82	12.65	12.67	9.14	72	2.36	19	3.83	6.66	64	56	37	17.9
23. METHUEN	36,701	33	E	6.46	2.78	4.90	3.13	64	1.13	23	1.40	2.36	63	51	35	10.0
24. MILTON	25,860	59	E	17.77	16.75	17.12	12.56	73	2.89	17	5.07	7.55	68.5	56.5	37.5	19.4
25. NATICK	29,461	48	E	19.22	17.66	19.02	13.53	71	2.96	16	4.26	7.20	68.5	56.5	37.5	23.5
26. NEEDHAM	27,901	51	E	21.26	20.73	20.71	14.62	71	3.42	17	4.72	9.61	68	64	37.5	24.8

POPULATION GROUP V (25,000 - 49,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
27. NORTHAMPTON	29,286	49	W	18.91	15.20	18.58	13.08	70	2.99	16	12.47	8.98	67	67	37.5	31.6
28. NORWOOD	29,711	46	E	16.03	16.01	16.03	11.78	74	2.29	14	3.05	6.31	72	60	35	18.1
29. PEABODY	45,976	24	E	10.35	10.03	11.25	6.50	58	1.86	17	2.13	2.79	69	65	35	20.4
30. PLYMOUTH	35,913	37	E	13.08	11.25	13.08	7.81	60	1.87	14	1.91	5.16	63	58	37.5	19.6
31. RANDOLPH	28,218	50	E	8.74	8.74	8.72	6.12	70	1.53	18	1.49	5.81	64	46	35	11.1
32. REVERE	42,423	27	E	4.15	4.15	3.31	2.32	70	0.52	16	0.66	0.86	65	53	40	9.7
33. SALEM	38,220	29	E	13.91	12.18	13.52	9.38	69	2.12	16	4.45	4.48	64	64	35	21.9
34. STOUGHTON	26,710	55	E	12.98	12.98	12.98	8.78	68	2.43	19	3.79	4.69	64	56	35	15.2
35. TAUNTON	45,001	25	E	8.80	8.80	8.80	6.42	73	1.44	16	5.82	4.37	64	55	35	25.6
36. WATERTOWN	34,384	39	E	24.37	24.27	24.16	17.92	74	3.05	13	3.65	5.71	61	49	37	35.6
37. WELLESLEY	27,209	53	E	30.53	30.28	30.53	20.80	68	5.31	17	7.11	14.79	65	62	35	34.2
38. WEST SPRINGFIELD	27,042	54	W	10.80	10.27	8.92	5.44	61	1.76	20	3.45	5.27	66	51.5	37.5	13.2
39. WESTFIELD	36,465	35	W	14.10	11.28	14.10	9.51	67	1.95	14	4.13	8.19	63	54.5	37	26.2
40. WOBURN	36,626	34	E	8.79	8.68	8.36	6.03	72	1.13	14	2.64	2.58	64	49.5	37.5	15.8

Population Group VI (50,000-99,999)

POPULATION GROUP VI (50,000 - 99,999)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. BROCKTON	95,172	6	E	9.41	9.34	9.41	7.15	76	1.14	12	3.10	3.69	64	52	35	45.7
2. BROOKLINE	55,062	19	E	30.66	30.18	30.14	21.62	72	5.03	17	7.12	8.42	63	61	37	63.9
3. CAMBRIDGE	95,322	5	E	17.62	17.60	17.23	12.34	72	2.13	12	4.62	6.05	68	60	37.5	65.5
4. CHICOPEE	55,112	18	W	8.03	7.84	8.03	5.92	74	1.20	15	1.75	3.23	63	48	35	24.6
5. FALL RIVER	92,574	7	E	5.67	5.56	5.61	3.83	68	1.06	19	4.11	2.72	64	56	35	33.3
6. FRAMINGHAM	65,113	13	E	17.21	16.76	16.36	12.28	75	2.66	16	3.52	7.17	67.5	60.5	37.5	47.2
7. LAWRENCE	63,175	14	E	9.55	9.39	9.55	5.50	58	1.23	13	3.71	1.32	64	56	35	24.1
8. LOWELL	92,418	8	E	6.03	6.03	5.92	4.34	73	1.11	19	2.20	1.54	63.5	49	35	23.7
9. LYNN	78,471	11	E	9.20	8.72	9.20	7.20	78	1.36	15	3.35	1.99	63	50	35	40.0
10. MALDEN	53,386	20	E	10.92	10.45	10.61	7.10	67	1.59	15	4.13	2.76	66	54	35	24.2
11. MEDFORD	58,076	16	E	10.65	10.61	10.42	7.82	75	1.28	12	2.29	2.42	65	57	35	25.0
12. NEW BEDFORD	98,478	4	E	10.19	9.14	10.19	7.72	76	1.29	13	4.60	3.77	64	64	35	54.8
13. NEWTON	83,622	10	E	17.29	17.29	16.77	12.44	74	2.69	16	4.48	5.76	68	62	37.5	71.7
14. PITTSFIELD	51,974	21	W	10.43	10.09	10.12	8.10	80	1.50	15	3.83	7.34	63	59	35	27.7
15. QUINCY	84,743	9	E	13.35	13.11	12.96	9.20	71	1.69	13	2.60	4.57	62	54	35	41.6
16. SOMERVILLE	77,372	12	E	10.93	10.89	10.86	8.74	80	1.43	13	2.81	1.89	63	57	35	41.9
17. WALTHAM	58,200	15	E	7.97	7.97	7.97	6.48	81	1.01	13	2.59	3.97	63	53	35	21.5
18. WEYMOUTH	55,601	17	E	11.49	11.29	11.03	8.49	77	1.38	13	2.82	4.21	71	68	35	26.8

Population Group VII (100,000 +)

POPULATION GROUP VII (100,000+)

MUNICIPALITY	'80 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY EXP \$ PER CAP	\$ TOT EXP	MATERLS EXP \$ PER CAP	\$ TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. BOSTON	562,994	1	E	22.90	22.22	22.18	14.64	66	2.79	13	11.05	3.10	68	64	35	585.0
2. SPRINGFIELD	152,319	3	W	24.73	22.12	24.73	17.28	70	3.65	15	4.51	7.91	68	52	37.5	150.8
3. WORCESTER	161,799	2	C	16.81	16.07	16.39	12.10	74	2.10	13	5.21	4.31	67	54.5	40	138.2



Section Three:
FY87 Library Incentive Grant Application

Page 2

Annual Report Information Survey

Last Page

A. FY86 TOTAL OPERATING INCOME (report in whole dollars).

Sources of Income	APPROPRIATED	NOT APPROPRIATED
1. Municipal Funds	_____	_____
2. Carry-over From FY85 Appropriation	_____	_____
3. Library Incentive Grant	_____	_____
4. Dog Tax Fund	_____	_____
5. Federal Revenue Sharing	_____	_____
6. Additional Aid to Public Libraries	_____	_____
7. Trusts and Endowments	_____	_____
8. Monetary Gifts	_____	_____
9. Other & Miscellaneous	_____	_____

BOX A

↓

Total Appropriated Municipal Income

C. FY86 CAPITAL PROGRAMS & OUTLAYS*

1. Income
- a. Appropriated
Municipal Income
 - b. Additional Aid to Public Libraries
 - c. Additional Monies

BOX C1

TOTAL

BOX C2

2. Expenditures

* Funds reported in Section C should not be reported in Sections A or B. Please see Instructions.

B. FY86 TOTAL OPERATING EXPENDITURES (report in whole dollars)

1. Salaries

Box B1

Total Salary
Expenditures

- 2 a. Library Print Materials

- 1. books.....
- 2. periodicals.....
- 3. microforms.....

Library Print Materials
Expenditures Subtotal

Box B2

Total Materials
Expenditures

- b. Library Non-Print &
Additional Materials

Box B

Total Operating
Expenditures

3. Other Operating Expenditures

Box B3

Other Operating
Expenditures

INSTRUCTIONS FOR FISCAL YEAR 1987 LIBRARY INCENTIVE GRANT APPLICATION
(Regarding FY86 Income and Expenditures)

A ✓ indicates new or substantially revised instructions. **PLEASE** read these instructions before completing the application and call the Library Incentive Grant Unit staff at 1-800-952-7403 or 267-9400 if you have any questions.

Instructions corresponding to each page of the Application are separated below by a broken horizontal line. Instructions for the various sections and standards covered on each page of the Application are separated below by a solid horizontal line.

p1 At the bottom of the page give the inclusive dates of the fiscal year for which you are reporting only if it differs from FY86, that is 1 July 1985 through 30 June 1986.

p2 A FY86 TOTAL OPERATING INCOME (please round to whole dollars)

Exclude - income earmarked for capital programs and outlays

✓ **Please Note:** Section A has been revised to give respondents more flexibility when reporting the library's sources of income, and some income sources have been deleted.

In terms of flexibility, by listing APPROPRIATED and NOT APPROPRIATED columns, we have provided three ways to report most sources of operating income: all appropriated, all not appropriated, some appropriated and some not appropriated. An example of the latter situation is those few communities where each year some of the trust income is appropriated to the library and some is not. Another example would be a community where fine income is appropriated to the library and rental income derived from a privately owned library property is not appropriated, both sums would be reported under "Other & Miscellaneous" appropriated and not appropriated, respectively.

We have learned from the Department of Revenue that according to M.G.L.A. ch. 44, sec. 53A municipalities may receive state grants and disburse them directly to the receiving departments without further appropriation; this interpretation would seem to apply to the handling of the FY85 Library Incentive Grant and Additional Aid to Public Libraries state monies. Municipalities where this is the case now have the option to report the monies as not appropriated.

In terms of deleting some sources of operating income, we are not asking for data on Additional Monies - Grant; on last year's application those sources were labeled non-governmental grants, LSCA, other federal grants, other state grants, and regional PL systems' monies. We may include these income categories again on the FY88 application.

- ✓ In Section A, report the amounts of Municipal Funds, and Carry-over from the FY85 Appropriation if any, APPROPRIATED for operating the library in FY86. For each of the remaining sources of income listed, indicate in the two columns the amounts received for operating the library in FY86; when no amount was received, please report a "0".

2 A1 Municipal Funds

Include + revenue, such as from the local tax levy, appropriated for operating expenditures

+ funds and transfers through the supplemental budget process

Exclude - and report separately, if possible, these sources of income. Such reporting helps identify the frequency with which various sources contribute to public library funding

- Carry-over from FY85 Appropriation
- Library Incentive Grant
- Dog Tax Fund
- Federal Revenue Sharing
- Additional Aid to Public Libraries
- Other & Miscellaneous

A2 Carry-over From FY85 Appropriation

Include + FY85 appropriated monies which were unencumbered and unexpended that year and authorized by the municipality for operating expenses during FY86

A3 Library Incentive Grant

Include + if reporting under "APPROPRIATED", only the amount of funds authorized by the municipality during FY86 for the library's operating expenses.

Exclude - Additional Aid to Public Libraries

A4 Dog Tax Fund

A5 Federal Revenue Sharing

A6 Additional Aid to Public Libraries:

Include + the monies from line B.15 of the FY86 Cherry Sheet. The Cherry Sheet labeled these monies as "Additional Aid to Public Libraries"; informally they have also been referred to as the "supplemental aid".

Exclude - the Library Incentive Grant monies which were noted on line B.16 (labeled Public Libraries) of the FY86 Cherry Sheet.

A7 **Trusts and Endowments**

Include + interest or other income from trusts and endowments received between 1 July 1985 - 30 June 1986. If some or all of your trust funds and/or endowments do not follow the July - June fiscal year, please indicate that on the bottom line of page 1.

Exclude - the principal of trusts and endowments

A8 **Monetary Gifts**

Include + monetary gifts received from civic and business organizations and foundations as well as from individuals

Exclude - estimated or fair market value of non-monetary gifts (such as books, paintings, furniture, etc.)
- grants from foundations or civic and business organizations

✓ **A9** **Other and Miscellaneous**

Include + revenue not specified elsewhere in A1-8. Such revenue may be from fines, fees, (such as from photocopiers, public access microcomputers or rentals), the sale of inventory and fixed assets, or proceeds from fund raising projects and consignment shops.

Exclude - receipts retained by the municipality and not authorized for the library's operating expenses. Also exclude these monies:

1. non-governmental grant monies received as a result of a proposal prepared in response to the requirements of the grantor. Grantors may include civic and business organizations and foundations.
2. LSCA and other federal grant monies except Federal Revenue Sharing noted above in A5
3. federally subsidized employment programs such as the Senior Aides funded under the Older Americans Act
4. federal income earmarked for capital programs and outlays
5. income from state government grants, such as those awarded by the Massachusetts Arts Lottery Council, except the Library Incentive and Additional Aid to Public Libraries grants noted above in A3 and A6.

Exclude - under, APPROPRIATED, receipts retained by the municipality and not authorized for the library's operating expenses.

p2 Box A Add lines A1-9 in the APPROPRIATED column and place the sum in Box A labeled "Total Appropriated Municipal Income."

p2 B **FY86 TOTAL OPERATING EXPENDITURES (report in whole dollars)**

Include + expenditures and encumbrances from income reported above in A1-9

+ expenditures, defined as the cost of goods delivered or services rendered

+ encumbrances, defined as a contingent liability in the form of purchase orders, contracts, or salary commitments which were not yet paid as of the last day of the fiscal year, but are to be paid out of FY86 Sources of Income. An example of an encumbrance is an order for books not yet received (or paid for) on the last day of the fiscal year, but for which funds are reserved (encumbered) to pay the bill when received. If in doubt as to whether or not a particular purchase order or other commitment is an encumbrance, check with your accountant.

Exclude - expenditures and encumbrances from income reported in C1a-c (Capital Programs and Outlays)

p2 B1 **Salaries**

Include + expenditures and encumbrances from income reported in A1-9

+ total salaries paid all staff (full-time, part-time, seasonal, substitute, hourly, etc.) holding positions routinely included in the library budget year after year

Exclude - contracted building maintenance services

- salaries paid with federal monies (LSCA, Older Americans Act, etc.) other than federal revenue sharing

- salaries paid by other municipal departments

- pension and fringe benefit expenditures (if either or both are paid from the library's Total Appropriated Municipal Income include the amount expended in "Other Operating Expenditures" Box B3 below.)

p2 Box B1 Place the amount of salary expenditures/encumbrances to the right in Box B1 labeled "Total Salary Expenditures."

p2 B2a1-3 Library Print Materials

Include + expenditures and encumbrances from income reported in A1-9

+ for books, the amount expended and encumbered for books and other printed materials catalogued or made ready for use (processed) in the same manner as books

+ separate amounts for periodicals and microforms, if possible

p2 Sub-total Add lines B2a1-3 and place the total below in the box labeled "Library Print Materials Expenditures Subtotal."

2 B2b Library Non-Print and Additional Materials

Include + expenditures and encumbrances for income reported in A1-9

+ audio recordings (disc, reel-to-reel tape, and cassette audio recordings)

+ 8 and 16mm films if they are part of the library's permanent collection

+ other AV materials which require the use of special equipment to be seen or heard

+ additional non-book library materials which do not require the use of special equipment to be seen or heard, e.g., maps, art prints, globes, vertical file material, and games

+ microcomputer software

p2 Box B2 Add the amounts reported in the box marked Library Print Materials Expenditures Subtotal and on line B2b (Library Non-Print and Additional Materials) and place the total to the right in Box B2 labeled "Total Materials Expenditures."

p2 B3 Other Operating Expenditures

Include expenditures and encumbrances:

+ from income reported in A1-9

+ for all purposes other than salaries and materials

+ for items such as the following, for example:

maintenance of plant; electricity
telephone and telecommunications
equipment and film rentals

equipment maintenance contracts
annual network and consortium membership fees
supplies, postage; binding and rebinding
fees for speakers; pension and fringe benefit costs
creation of machine-readable records

Exclude - expenditures and encumbrances from income reported in Cla-c (Capital Programs and Outlays) above

p2 Box B3 Place the amount to the right in Box B3 labeled "Other Operating Expenditures."

p2 Box B Total Operating Expenditures

Add Boxes B1, B2, and B3 and place the total to the right in Box B labeled "Total Operating Expenditures."

p2 C CAPITAL PROGRAMS AND OUTLAYS

In general, libraries where automated systems have been purchased or libraries participating in automated networks for resource sharing should record here the income for, and expenditures on, the library's purchase of hardware associated with that membership. Also record here the income for, and expenditures on, the library's creation of machine-readable records in a retrospective conversion project if it was not reported as part of operating income and expenditures.

Examples of automated resource sharing include Automated Bristol Library Exchange (ABLE); C/W MARS; Merrimack Valley Library Cooperative (MVLIC); Minuteman; North of Boston Library Exchange (NOBLE); and Old Colony Library Network (OCLN).

✓ p2 C1 INCOME (Capital)

Include + income for capital programs or outlays. These may generally be defined as extraordinary and non-recurring programs, such as construction, renovation, improvement, expansion, or repair of a library building, resulting in the acquisition of, or addition to, fixed assets which will remain usable in excess of one year.

Municipalities, however, often have their own definition of what constitutes a capital program or outlay. If available, use the municipality's definition or that of the Board of Trustees.

Note that any income reported here in section C1 should not be reported in section A.

✓ **C1a Appropriated Municipal Income (Capital)**

Include + appropriations for capital programs and outlays from these sources of income: Municipal Funds, Carry-over From FY85 Appropriation, Library Incentive Grant, Dog Tax Fund, and Federal Revenue Sharing.

Exclude - and report separately below capital outlays from Additional Aid to Public Libraries, and Additional Monies

C1b Additional Aid to Public Libraries

Include + Additional Aid to Public Library monies appropriated for library capital programs and outlays. Additional Aid to Public Libraries monies were reported to municipalities on line B.15 of the FY86 Cherry Sheet and informally have been called "supplemental aid" funds.

Exclude - any Library Incentive Grant monies appropriated for Capital programs and outlays. Such income should be reported on line C1a.

C1c Additional Monies (Capital)

Include + income for capital programs and outlays from these sources of income:
interest from trusts and endowments
monetary gifts
Other and Miscellaneous sources
federal monies excluding federal revenue sharing
state monies excluding the Additional Aid to Public Libraries
and Library Incentive Grant

p2 Box C1 Add lines C1a-c and place the sum in the box below labeled C1.

p2 **C2 Expenditures (Capital)**

Include + all expenditures and encumbrances for capital programs and outlays taken from the sources of income listed above in C1a-c. **Note that any expenditures reported here in section C2 should not be reported in section B.**

p2 Box C2 Place the sum of all such expenditures and encumbrances to the right in the box labeled C2.

HOLDINGS AND CIRCULATION INFORMATION FOR FY86

A. HOLDINGS

1. LIBRARY PRINT MATERIALS

- a. Volumes Owned.....
- b. Volumes of Bound Periodicals.....
- c. Periodical Subscriptions Rec'd...
- d. Physical Units of Microforms.....

2. LIBRARY NON-PRINT & ADDITIONAL MATERIALS

- a. Audio Recordings.....
- b. Films 8mm.....
- c. Films 16mm.....
- d. Filmstrips.....
- e. Slide Sets.....
- f. Videotapes:.....reels _____ + cassettes _____ =
- g. Multi-media Kits.....
- h. Framed Art Prints.....
- i. Other.....

TOTAL A

B. CIRCULATION

1. LIBRARY PRINT MATERIALS

- a. Direct Circulation to Users.....
- b. Circulation from other Libraries to Users (ILL).....
- c. Circulation to other Libraries (ILL).....

2. LIBRARY NON-PRINT & ADDITIONAL MATERIALS

- a. Audio Recordings.....
- b. Films 8mm.....
- c. Films 16mm.....
- d. Filmstrips.....
- e. Slide Sets.....
- f. Videotapes:.....reels _____ + cassettes _____ =
- g. Multi-media Kits.....
- h. Framed Art Prints.....
- i. Other.....

TOTAL B

Data reported on this page should be for FY86, covering the 12-month period between July 1, 1985 and June 30, 1986. If data are reported for another 12-month period, please supply inclusive dates here _____ .

ANNUAL REPORT INFORMATION SURVEY INSTRUCTIONS

PAGE FOUR: HOLDINGS AND CIRCULATION INFORMATION FOR FY86

A1 HOLDINGS: LIBRARY PRINT MATERIALS

A1a Volumes Owned: Count one for each volume (i.e. physical unit, either hard or soft bound) owned by the library in its catalogued collection of books and related printed materials catalogued or processed in the same manner as books.

A1b Volumes of Bound Periodicals: Count, according to the method used in your library, the number of volumes of hardbound periodicals owned by the library. Report "0" if the library does not own any volumes of bound periodicals.

A1c Periodical Subscriptions Received: Count one for each title, excluding duplicate subscriptions.

A1d Physical Units of Microforms: Count one for each roll of microfilm or each card of microfiche.

A2 HOLDINGS: LIBRARY NON-PRINT & ADDITIONAL MATERIALS: For each of the media listed, count materials separately by title, including one for each titled part of a series.

A2a Audio recordings: Include discs, reel-to-reel tapes, and cassettes.

A2b-c Films 8mm and 16mm: Count only those owned by the library.

A2d-e Filmstrips and Slide Sets: Include sound and silent.

A2f Videotapes: Include, if possible, a separate figure for permanent reel-to-reel tapes and cassette tapes, either commercially or non-commercially produced. Also, please provide a total count of all videotapes (excluding, of course, blank tapes).

A2g Multi-Media Kits: A kit is a variety of media formats (usually a minimum of 3) gathered and integrated into a unit such that the varied components overlap and reinforce the value of each other. Count one for each kit title.

A2h Framed Art Prints: Include framed art prints intended for circulation. Do not include individual photographs or clippings.

A2i Other: Include materials not listed individually such as globes, games, puzzles, toys, realia, maps,

microcomputer software, vertical file material, etc. Count one for each drawer of vertical file material; for all other items count or estimate one for each title.

Add lines A1a and A2a-h, placing the figure below on the dark line labeled "TOTAL A." Do not include lines A1b-d and A2i in the total.

B1 CIRCULATION: LIBRARY PRINT MATERIALS

B1a Direct Circulation to Users: Count one for each book or issue of a periodical lent from the collection to users, and one for each renewal, including circulation from bookmobiles operated by the library. Circulation of materials owned by the regional public library systems should also be included in this count.

B1b Circulation from Other Libraries to Users (ILL): Count one for each book or issue of a periodical received from another library's collection and circulated to users, and one for each renewal. This figure should reflect the interlibrary loans received by the library.

B1c Circulation to Other Libraries (ILL): Count one for each book or issue of a periodical loaned to another library, and one for each renewal. This figure should reflect the interlibrary loans sent by the library.

B2 CIRCULATION: LIBRARY NON-PRINT & ADDITIONAL MATERIALS

B2a-1 Count one for each title lent from the library's own collection, or received from the regional public library systems or from another library's collection and lent to users or another library, and one for each renewal.

Add lines B1a-c and B2a-h, placing the figure below on the dark line labeled "TOTAL B." Do not include line B2i in the total.

If you have any questions, please call the Planning and Research Unit staff at 1-800-952-7403 or 267-9400

Municipal Index to Population Groups

Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group
ABINGTON	IV	BARNSTABLE	V	BOYLSTON	II
ACTON	IV	BARRE	II	BRAINTREE	V
ACUSHNET	III	BECKET	I	BREWSTER	III
ADAMS	IV	BEDFORD	IV	BRIDGEWATER	IV
AGAWAM	V	BELCHERTOWN	III	BRIMFIELD	II
ALFORD	I	BELLINGHAM	IV	BROCKTON	VI
AMESBURY	IV	BELMONT	V	BROOKFIELD	II
AMHERST	V	BERKLEY	II	BROOKLINE	VI
ANDOVER	V	BERLIN	II	BUCKLAND	I
ARLINGTON	V	BERNARDSTON	I	BURLINGTON	IV
ASHBURNHAM	II	BEVERLY	V	CAMBRIDGE	VI
ASHBY	II	BILLERICA	V	CANTON	IV
ASHFIELD	I	BLACKSTONE	III	CARLISLE	II
ASHLAND	III	BLANDFORD	I	CARVER	III
ATHOL	IV	BOLTON	II	CHARLEMONT	I
ATTLEBORO	V	BOSTON	VII	CHARLTON	III
AUBURN	IV	BOURNE	IV	CHATHAM	III
AVON	III	BOXBOROUGH	II	CHELMSFORD	V
AYER	III	BOXFORD	III	CHELSEA	V

Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group
CHESHIRE	II	DOUGLAS	II	FALMOUTH	IV
CHESTER	I	DOVER	II	FITCHBURG	V
CHESTERFIELD	I	DRAFT	IV	FLORIDA	I
CHICOPEE	VI	DUDLEY	III	FOXBOROUGH	IV
CHILMARK	I	DUNSTABLE	I	FRAMINGHAM	VI
CLARKSBURG	I	DUXBURY	IV	FRANKLIN	IV
CLINTON	IV	EAST BRIDGEWATER	III	FREETOWN	III
COHASSET	III	EAST BROOKFIELD	I	GARDNER	IV
COLRAIN	I	EAST LONGMEADOW	IV	GAY HEAD	I
CONCORD	IV	EASTHAM	II	GEORGETOWN	III
CONWAY	I	EASTHAMPTON	IV	GILL	I
CUMMINGTON	I	EASTON	IV	GLOUCESTER	V
DALTON	III	EDGARTOWN	II	GOSHEN	I
DANVERS	IV	EGREMONT	I	GOSNOLD	I
DARTMOUTH	IV	ERVING	I	GRAFTON	IV
DEDHAM	V	ESSEX	II	GRANBY	III
DEERFIELD	II	EVERETT	V	GRANVILLE	I
DENNIS	IV	FAIRHAVEN	IV	GREAT BARRINGTON	III
DIGHTON	III	FALL RIVER	VI	GREENFIELD	IV

Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group
GROTON	III	HOLDEN	IV	LEOMINSTER	V
GROVELAND	III	HOLLAND	I	LEVERETT	I
HADLEY	II	HOLLISTON	IV	LEXINGTON	V
HALIFAX	III	HOLYOKE	V	LEYDEN	I
HAMILTON	III	HOPEDALE	II	LINCOLN	III
HAMPDEN	II	HOPKINTON	III	LITTLETON	III
HANCOCK	I	HUBBARDSTON	I	LONGMEADOW	IV
HANOVER	IV	HUDSON	IV	LOWELL	VI
HANSON	III	HULL	III	LUDLOW	IV
HARDWICK	II	HUNTINGTON	I	LUNENBURG	III
HARVARD	IV	IPSWICH	IV	LYNN	VI
HARWICH	III	KINGSTON	III	LYNNFIELD	IV
HATFIELD	II	LAKEVILLE	III	MALDEN	VI
HAVERTHILL	V	LANCASTER	III	MANCHESTER	III
HAWLEY	I	LANESBOROUGH	II	MANSFIELD	IV
HEATH	I	LAWRENCE	VI	MARBLEHEAD	IV
HINGHAM	IV	LEE	III	MARION	II
HINSDALE	I	LEICESTER	III	MARLBOROUGH	V
HOLBROOK	IV	LENOX	III	MARSHFIELD	IV

Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group
MASHPEE	II	MONSON	III	NORTH ANDOVER	IV
MATTAPOISETT	III	MONTAGUE	III	NORTH ATTLEBOROUGH	IV
MAYNARD	III	MONTEREY	I	NORTH BROOKFIELD	II
MEDFIELD	IV	MONTGOMERY	I	NORTH READING	IV
MEDFORD	VI	MOUNT WASHINGTON	I	NORTHAMPTON	V
MEDWAY	III	NAHANT	II	NORTHBOROUGH	IV
MELROSE	V	NANTUCKET	III	NORTHBRIDGE	IV
MENDON	II	NATICK	V	NORTHFIELD	II
MERRIMAC	II	NEEDHAM	V	NORTON	IV
METHUEN	V	NEW ASHFORD	I	NORWELL	III
MIDDLEBOROUGH	IV	NEW BEDFORD	VI	NORWOOD	V
MIDDLEFIELD	I	NEW BRAINTREE	I	OAK BLUFFS	I
MIDDLETON	II	NEW MARLBOROUGH	I	OAKHAM	I
MILFORD	IV	NEW SALEM	I	ORANGE	III
MILLBURY	IV	NEWBURY	II	ORLEANS	III
MILLIS	III	NEWBURYPORT	IV	OTIS	I
MILLYILLE	I	NEWTON	VI	OXFORD	IV
MILTON	V	NORFOLK	III	PALMER	IV
MONROE	I	NORTH ADAMS	IV	PAXTON	II

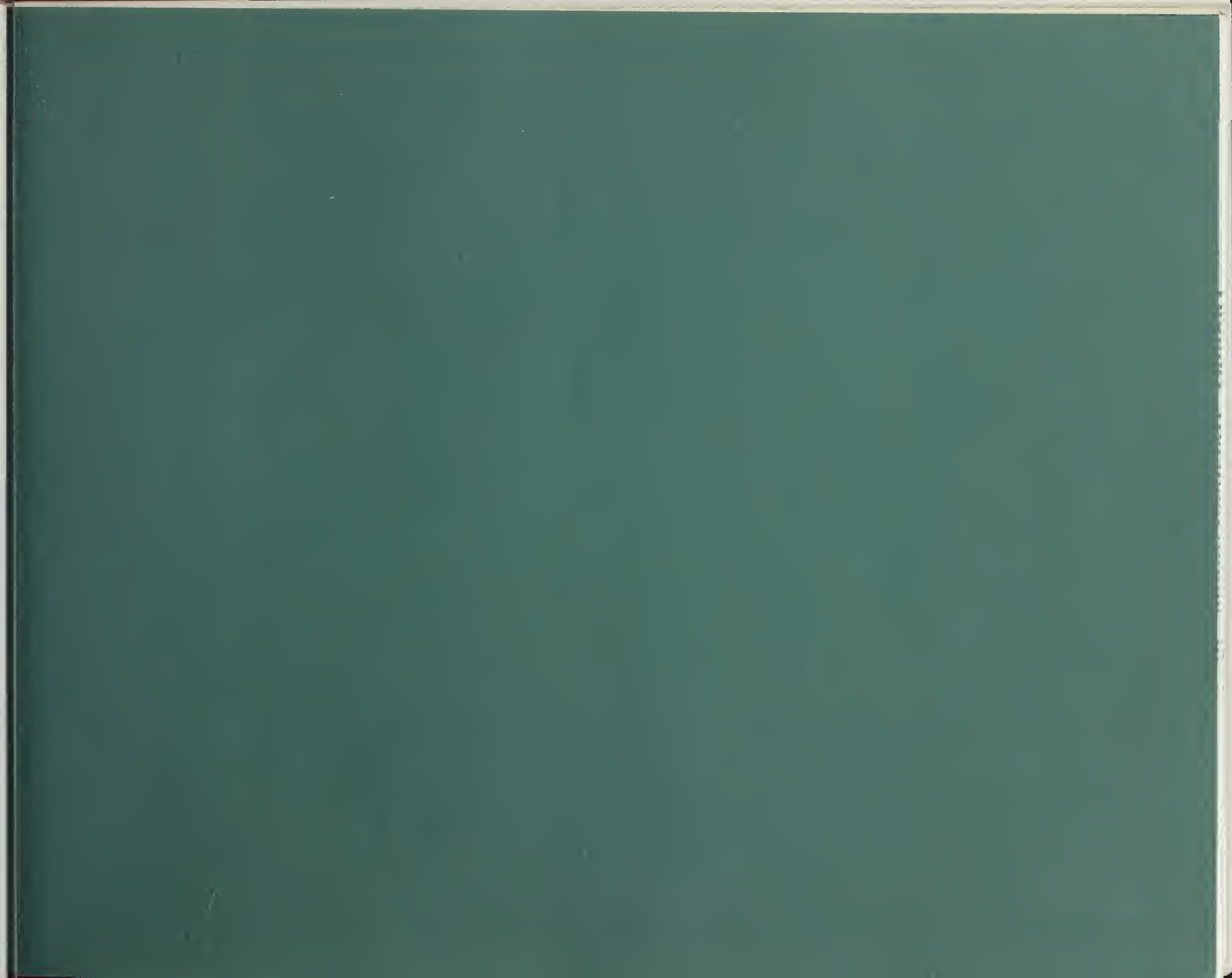
<u>Municipality</u>	<u>Pop. Group</u>	<u>Municipality</u>	<u>Pop. Group</u>	<u>Municipality</u>	<u>Pop. Group</u>
PEABODY	V	REVERE	V	SHEFFIELD	II
PELHAM	I	RICHMOND	I	SHELBURNE	II
PEMBROKE	IV	ROCHESTER	II	SHERBORN	II
PEPPERELL	III	ROCKLAND	IV	SHIRLEY	III
PERU	I	ROCKPORT	III	SHREWSBURY	IV
PETERSHAM	I	ROWE	I	SHUTESBURY	I
PHILLIPSTON	I	ROWLEY	II	SOMERSET	IV
PITTSFIELD	VI	ROYALSTON	I	SOMERVILLE	VI
PLAINFIELD	I	RUSSELL	I	SOUTH HADLEY	IV
PLAINVILLE	III	RUTLAND	II	SOUTHAMPTON	II
PLYMOUTH	V	SALEM	V	SOUTHBOROUGH	III
PLYMPTON	I	SALISBURY	III	SOUTHBIDGE	IV
PRINCETON	II	SANDISFIELD	I	SOUTHWICK	III
PROVINCETOWN	II	SANDWICH	III	SPENCER	IV
QUINCY	VI	SAUGUS	IV	SPRINGFIELD	VII
RANDOLPH	V	SAVOY	I	STERLING	III
RAYNHAM	III	SCITUATE	IV	STOCKBRIDGE	II
READING	IV	SEEKONK	IV	STONEHAM	IV
REHOBOTH	III	SHARON	IV	STOUGHTON	V

Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group
STOW	III	WAKEFIELD	IV	WEST NEWBURY	II
STURBRIDGE	III	WALES	I	WEST SPRINGFIELD	V
SUDBURY	IV	WALPOLE	IV	WEST STOCKBRIDGE	I
SUNDERLAND	II	WALTHAM	VI	WEST TISBURY	I
SUTTON	III	WARE	III	WESTBOROUGH	IV
SWAMPSCOTT	IV	WAREHAM	IV	WESTFIELD	V
SWANSEA	IV	WARREN	II	WESTFORD	IV
TAUNTON	V	WARWICK	I	WESTHAMPTON	I
TEMPLETON	III	WASHINGTON	I	WESTMINSTER	III
TEWKSBURY	IV	WATERTOWN	V	WESTON	IV
TISBURY	II	WAYLAND	IV	WESTPORT	IV
TOLLAND	I	WEBSTER	IV	WESTWOOD	IV
TOPSFIELD	III	WELLESLEY	V	WEYMOUTH	VI
TOWNSEND	III	WELLFLEET	II	WHATELY	I
TRURO	I	WENDELL	I	WHITMAN	IV
TYNGSBOROUGH	III	WENHAM	II	WILBRAHAM	IV
TYRINGHAM	I	WEST BOYLSTON	III	WILLIAMSBURG	II
UPTON	II	WEST BRIDGEWATER	III	WILLIAMSTOWN	III
UXBRIDGE	III	WEST BROOKFIELD	II	WILMINGTON	IV

<u>Municipality</u>	<u>Pop. Group</u>	<u>Municipality</u>	<u>Pop. Group</u>	<u>Municipality</u>	<u>Pop. Group</u>
WINCHENDON	III				
WINCHESTER	IV				
WINDSOR	I				
WINTHROP	IV				
WOBBURN	V				
WORCESTER	VII				
WORTHINGTON	I				
WRENTHAM	III				
YARMOUTH	IV				









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MAY 1988

MASSACHUSETTS BOARD OF LIBRARY COMMISSIONERS
648 Beacon Street Boston, MA 02215

Selected
Public Library
Statistics

DATA FOR
MASSACHUSETTS 1987



Selected
Public Library
Statistics

**DATA FOR
MASSACHUSETTS FY87**

MAY 1988
MASSACHUSETTS BOARD OF LIBRARY COMMISSIONERS
648 Beacon Street Boston, MA 02215

Prepared with LSCA Title I funds

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Municipal Index to Population Groups



Introduction

The report provides per capita and percentage figures reflecting selected FY87 support and activity indicators for responding public libraries. Data were compiled from the FY88 Library Incentive Grant and FY88 Municipal Equalization Grant Application and the Annual Report Information Survey forms.

With few exceptions, financial, collection, and hours open data are for the twelve month period ending June 30, 1987. Thirteen libraries reported holdings and/or circulation data for another period, most frequently, for calendar year 1986. The work week and full-time equivalents (FTE) data are reported as of July 1, 1987.

The report reflects income data for 332 or 96% of the 347 municipalities with public libraries. Expenditure data and hours open data were received from 326 or 94% of the communities. A total of 329 or 95% of the municipalities supplied holdings, circulation, work week, and staffing data.

For municipalities with more than one independent library receiving public funds, this report reflects the combined levels of library support and activity for all reporting libraries within the community.

ARRANGEMENT OF THE REPORT

The report is arranged in three sections: Summary Tables, Municipal Tables, and the survey forms. Statewide and regional data for selected indicators follow the introduction. The Usage Notes preceding the Summary Tables contain a formula for calculating percentiles not appearing in the Summary Tables.

Section One: Summary Tables

The summary tables display the mean (average), median, and the 10th, 25th, 75th, and 90th percentile values of nine indicators for population groups I through VI. Because of the small number of municipalities in group VI, the percentiles for this group should be considered estimates only.

Means, medians, and percentiles are superfluous for group VII, the three municipalities with populations in excess of 100,000. Data for these municipalities appear in the municipal tables only.

Section Two: Municipal Tables

Data for individual municipalities are arranged in seven population groups based on the 1984 federal population estimates. See the Index to determine in which population group a municipality is listed.

INDICATORS OF LIBRARY SUPPORT & ACTIVITY

In addition to 1984 population estimates, 1984 population rank, and regional system affiliation (Central, Eastern, or Western), the following library data appear in this order in the municipal tables:

- Total Operating Income Per Capita
- Appropriated Municipal Income Per Capita
- Total Operating Expenditures Per Capita
- Salary Expenditures Per Capita and as a Percent of Total Operating Expenditures
- Materials Expenditures Per Capita and as a Percent of Total Operating Expenditures
- Holdings Per Capita
- Circulation Per Capita
- Hours Open in the Winter and Summer
- Hours in the Work Week
- Full-time Equivalents of Staff

The emphasis of the report is municipal data. Therefore, we ask that the state funds received by libraries that contract with the Board of Library Commissioners to provide regional services be omitted from the report.

These federal and state funds have been included in the report if the library reported them as operating income or expenditures: federal revenue sharing, the Library Incentive Grant, the Municipal Equalization Grant, and the Additional Aid to Public Libraries.

Because all libraries do not have precisely the same sources of income, the **Total Operating Income** data are not comparable in terms of categories of income and access to the income.

The discretion with which trust and/or endowment income may be expended varies widely among libraries depending on the fund restrictions. Some funds, for example, restrict expenditures to materials on a relatively narrow topic. As a result, a library's operating income may appear inflated until selected materials complying with the fund requirements are acquired.

Print and non-print data are combined in the **Holdings** and **Circulation** indicators.

Hours Open, Winter and Summer, displays the number of hours in an average week that the library was open to the public in FY87. Hours for branch libraries are included if they do not overlap main library hours.

Hours in the Work Week, for larger libraries, is the number of hours typically worked per week by a full-time paid staff member; that is, 35 or more. For smaller libraries where no one works 35 hours, the figure is the greatest number of hours worked in a typical week by a paid staff member. Depending on the municipality, that work week may be considered full-time by the municipality, even though it is less than 35 hours.

The full-time equivalents (FTE) reflect paid staff, excluding those paid by state or federally subsidized employment programs. One FTE equals 35 paid staff hours.

LIBRARY INCENTIVE GRANT PROGRAM

The compilation of data for this report may not necessarily correspond to the data used to determine compliance with the requirements of the FY88 Library Incentive Grant Program or FY88 Municipal Equalization Grant Program.

STATEWIDE DATA

Statewide data for selected financial and collection indicators are shown for the last three fiscal years with per capitas based on the population served by the libraries responding each year.

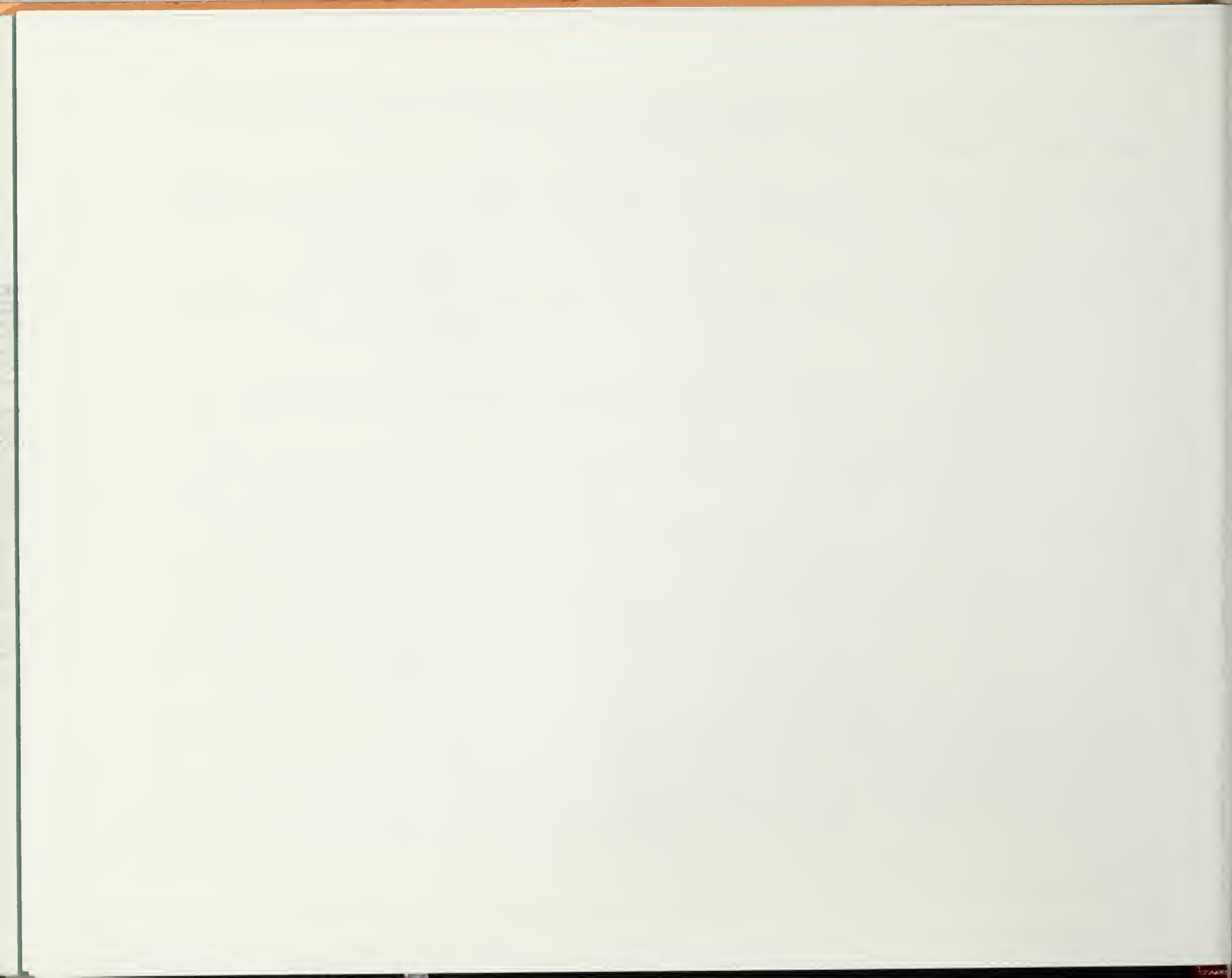
The agency welcomes your comments and suggestions and examples of how the report is being used.

Mary Litterst
Planning & Research Specialist

Betty Wei
Computer Programmer

Mary Johnson
Planning & Research

Robert E. Dugan, Head
Fiscal Planning & Systems Development



STATISTICS OF PUBLIC LIBRARIES STATEWIDE SUMMARY FOR SELECTED INDICATORS, FY 84-86

(per capita figures in parentheses)

FY ^a	No. of Reptg. Libs. ^b	No. of Reptg. Muns. ^b	Total Operating Income \$	Appropriated Municipal Income \$	Total Operating Expenditures \$	Salary Expenditures \$	Materials Expenditures \$	Holdings	Circulation	FTE ^g
1984	343	316	71,335,308 (12.73)	67,374,011 (12.02)	69,813,294 (12.45)	47,701,217 (8.51)	11,325,376 (2.02)	26,397,755 ^c (4.67)	32,003,443 ^d (5.66)	3564.6 ^c
1985	346	319	76,044,835 (13.49)	71,421,637 (12.67)	74,087,488 (13.14)	50,077,961 (8.89)	12,409,215 (2.20)	29,689,667 ^e (5.24)	32,226,127 ^e (5.69)	3727.5 ^e
1986	359	332	83,435,131 (14.60)	78,917,786 (13.81)	80,587,387 (14.28)	55,030,976 (9.75)	13,238,022 (2.35)	27,560,842 ^f (4.84)	32,066,913 ^f (5.64)	3832.5 ^f
84-85	% CHANGE IN PER CAPITA FIGURES		5.97	5.41	5.54	4.47	8.91	12.21	0.53	4.57%
85-86			8.23	9.00	8.68	9.67	6.82	-7.63	-0.88	2.82%
84-86			14.69	14.89	14.70	14.57	16.34	3.64	-0.35	7.52%

Per capita figures are based on the population (1980 U.S. census) of municipalities served by responding libraries.

FY84, population served by responding libraries for financial indicators = 5,605,527

for holdings data = 5,657,959

for circulation data = 5,655,648

FY85, population served by responding libraries for financial indicators = 5,636,224

for holdings and circulation data = 5,661,133

FY86, population served by responding libraries for income indicators = 5,712,808

for expenditure indicators = 5,644,946

for holdings and circulation data = 5,689,982

a. Fiscal year applies to all indicators except FTE which are reported as of July 1 of each year

b. Reporting financial data; for FY86, 359 libraries in 332 municipalities reported income data and 346 libraries in 320 municipalities reported expenditures data. The income totals for just those respondents who also reported expenditure data are: Total Operating Income \$82,619,296 (\$14.64) and Appropriated Municipal Income \$78,201,707 (\$13.85).

c. Holdings and FTE data based on 352 libraries reporting from 325 municipalities

d. Circulation based on 351 libraries reporting from 324 municipalities

e. Holdings, circulation, and FTE data based on 346 libraries reporting from 321 municipalities

f. Holdings, circulation, and FTE data based on 354 libraries reporting from 328 municipalities

g. Rate of change calculated on gross figures.

FY86 REGIONAL ADDENDUM

Average Per Capita Figures for All Reporting Municipalities
By Population Group and Regional Affiliation for 7 Indicators of Library Support and Activity

Population Group	I N D I C A T O R S																			
	Total Library Operating Income \$				Appropriated Municipal Operating Income \$				Total Library Operating Expenditures \$				Salary Expenditures \$				Material Expenditures \$			
	C	E	W	Pop Group	C	E	W	Pop Group	C	E	W	Pop Group	C	E	W	Pop Group	C	E	W	Pop Group
I																				
1-1,999	8.42	18.66	6.76	8.70	6.19	17.17	5.90	7.53	8.62	17.14	6.57	8.39	3.86	10.46	3.09	4.27	2.31	4.73	1.92	2.38
II																				
2,000-4,999	10.04	17.91	9.64	13.00	8.69	16.57	7.01	11.33	10.05	17.16	9.71	12.92	5.62	10.68	5.46	7.68	2.68	4.02	2.30	3.14
III																				
5,000-9,999	10.03	12.39	10.16	11.34	9.38	11.72	9.37	10.66	10.17	12.44	9.70	11.35	6.46	7.88	5.81	7.13	2.29	2.74	2.16	2.52
IV																				
10,000-24,999	13.74	14.52	11.82	14.10	13.19	13.73	11.33	13.38	13.40	13.94	11.61	13.59	8.51	9.60	7.70	9.20	2.76	2.61	2.10	2.58
V																				
25,000-49,999	14.51	15.05	12.98	14.72	13.76	13.98	11.13	13.55	14.12	14.71	12.46	14.35	9.63	10.06	8.19	9.76	2.27	2.33	2.15	2.30
VI																				
50,000-99,999	----	12.03	9.19	11.80	----	11.79	8.93	11.56	----	11.81	9.04	11.58	----	8.66	6.98	8.53	----	1.70	1.34	1.67
VII																				
100,000+	16.81	22.90	24.73	22.10	16.07	22.22	22.12	21.07	16.39	22.18	24.73	21.55	12.10	14.64	17.28	14.63	2.10	2.79	3.65	2.81
REGIONAL/ ALL GROUPS	13.93	15.11	13.75	14.78	13.17	14.41	12.35	13.98	13.25	14.59	13.47	14.28	8.80	10.04	9.03	9.75	2.45	2.33	2.32	2.35

for Income Indicators:

C (Central Region) reflects 70 reporting municipalities with a 1980 federal census of 715,860

E (Eastern Region) reflects 177 reporting municipalities with a 1980 federal census of 4,221,843

W (Western Region) reflects 85 reporting municipalities with a 1980 federal census of 775,105

for expenditure Indicators:

C (Central Region) reflects 63 reporting municipalities with a 1980 federal census of 685,485

E (Eastern Region) reflects 174 reporting municipalities with a 1980 federal census of 4,186,987

W (Western Region) reflects 83 reporting municipalities with a 1980 federal census of 772,474

FY86 REGIONAL ADDENDUM

Average Per Capita Figures for All Reporting Municipalities
By Population Group and Regional Affiliation for 7 Indicators of Library Support and Activity (cont'd)

----- I N D I C A T O R S -----								
Population Group	Total Holdings			Pop Group	Total Circulation			Pop Group
	C	E	W		C	E	W	
I 1-1,999	9.14	11.91	9.21	9.58	8.10	10.79	7.21	7.83
II 2,000-4,999	5.68	7.39	8.22	7.01	6.37	10.73	7.56	8.42
III 5,000-9,999	4.31	4.69	4.93	4.63	5.94	6.75	5.76	6.36
IV 10,000-24,999	3.48	4.16	3.48	3.96	6.30	7.31	7.23	7.12
V 25,000-49,999	3.93	3.87	4.96	4.03	5.69	5.97	5.90	5.95
VI 50,000-99,999	----	3.62	2.76	3.55	----	3.84	5.22	3.95
VII 100,000+	5.21	11.05	4.51	8.83	4.31	3.10	7.91	4.16
REGIONAL/ ALL GROUPS	4.34	4.95	4.71	4.84	5.73	5.44	6.61	5.64

for holdings and circulation data:

C (Central Region) reflects 65 reporting municipalities with a 1980 federal census of 696,749
E (Eastern Region) reflects 176 reporting municipalities with a 1980 federal census of 4,216,491
W (Western Region) reflects 87 reporting municipalities with a 1980 federal census of 776,742



Usage Notes

The statistical measures applied to each indicator of library support and activity in the Summary Tables are:

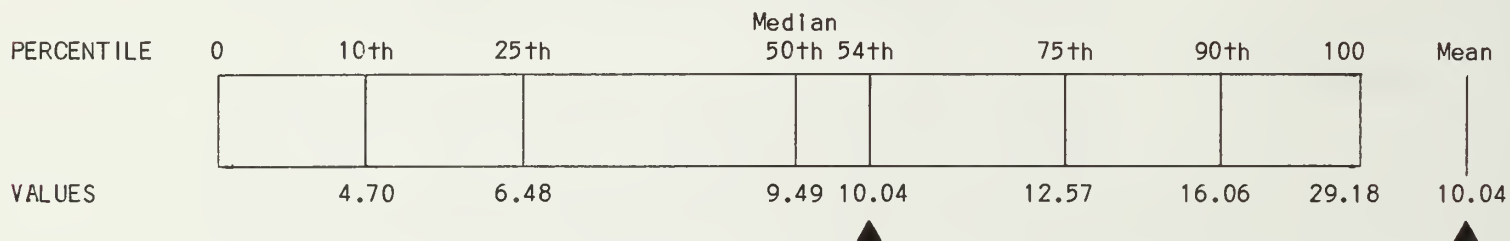
The Mean	a measure of central tendency which is commonly termed the "average." It is derived by dividing the sum of all the values in any particular group of data by the number of values included in that total.
Percentile Rank	describes the position of a value in its distribution, indicating the percent of cases in a distribution falling at or below the value of an indicator. For example, the library of a hypothetical municipality has a per capita operating expenditure of \$6.00 and a corresponding percentile rank of 25. This indicates that 25% of the municipalities in the population group have the same or smaller per capita operating expenditure than the sample library.
Median	the popular term for the 50th percentile; is equal to the value of an indicator at or below which 50% of the values fall. The value of the median differs from the value of the mean when the distribution of the values of an indicator is not regular, but rather skewed or piled at either end of the range. When there is considerable difference between the median and the mean, the median is generally thought of as being the more valid measure of central tendency.

Percentiles are not the most descriptive measures when the sample size is small, as in the 50,000 - 99,999 population group, the distribution is skewed, or the range of values is small. This is especially evident in Table G for the 25,000 - 49,999 and 50,000 - 99,999 groups. In some cases the same value appears for more than one percentile. Depending on the table, this is the result of one or more of the following conditions: there are only a finite number of discrete values in each distribution; there may be a relatively small range of values consisting of rounded whole numbers; and/or there may be a skewed distribution in the range.

Constructed below are hypothetical library situations designed to illustrate how the Summary Tables may be used and how an undisplayed percentile may be calculated.

In some instances, the value of an indicator may fall between the displayed values of a statistical measure, such as between the median (50th percentile) and the 75th percentile and it is informative to calculate the undisplayed percentile. Following is an example of how this may be done.

Example A: For a library in a hypothetical municipality in the 10,000 to 24,999 population group (group IV), salary expenditures are equal to \$10.04 per capita. From Summary Table D, we see that 10.04 falls between the values of the median (9.49) and the 75th percentile (12.57). We can estimate, based on the data available and using population served as a basis of comparison, that for the library in our hypothetical municipality, salary expenditures per capita are equal to or greater than 54% of the municipalities reporting in this population group.



Undisplayed percentile ranks may be calculated by the shorthand interpolation procedure used to compute the 54th percentile in Example A. This was done by:

- a - Finding the difference between the displayed values falling above (12.57) and below (9.49) our hypothetical value (10.04). The difference is 3.08 salary expenditures dollars per capita.
- b - Finding the difference between our hypothetical value (10.04) and the displayed value falling below it (9.49). The difference is .55 salary expenditures dollars per capita.
- c - Determining the ratio of the latter difference to the former difference (.55 divided by 3.08), which equals .179.
- d - Finding the difference between the displayed percentiles corresponding to the displayed values falling above and below our hypothetical value (10.04). In our example, the difference between the corresponding percentiles (75th and median/50th) is 25 percentile units.
- e - Interpolating the ratio from the values line to the difference between the displayed percentiles. In our example, the ratio is .179 (see c above) and the difference between the percentiles is 25 (see d above). $.179 \times 25 = 4.48$ percentile units.

f - Adding the interpolated percentile units to the displayed percentile falling below our hypothetical value to arrive at the estimated percentile rank of our hypothetical library. For example, $4.48 + 50 = 54.48 = 54\text{th}$ percentile.

It should be noted that this procedure assumes that the size of the intervals between values is constant throughout the distribution. Quite often there is slight variability in their size, so that ranks computed by this method must be considered estimates.

Looking at More than One Statistical Measure

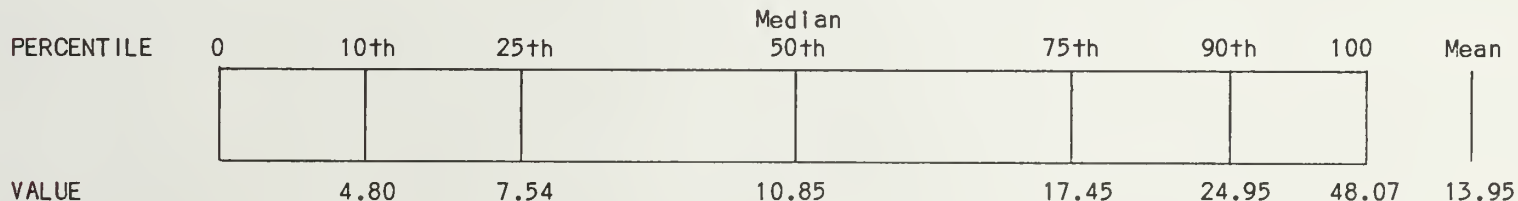
For each indicator it is most useful to review the results of the statistical measures in conjunction with one another. Another look at Summary Table D indicates that the hypothetical library mentioned in Example A has a salary expenditures per capita figure equal to the mean figure (10.04) of the population group.

Therefore, while we may say that salary expenditures per capita are equal to the "average" for this population group, it remains true that for our hypothetical municipality, per capita salary expenditures are greater than or equal to 54% of the reporting municipalities in this population group.

Another illustration of the value of looking at more than one measure follows.

EXAMPLE B: In some cases, percentile values may be used effectively to qualify the minimal information provided by the range of values for an indicator and population group. For example, a library in a hypothetical municipality in the 2,000 to 4,999 population group (group II) could have a total operating income of \$24.95 per capita.

From Summary Table A, we see that 24.95 equals the value of the 90th percentile and falls almost one half of the way between the range (2.46 through 48.07) of total operating income per capita of all reporting libraries in this population group.



Based on this information, we may say, therefore, that even though the hypothetical library's total operating income per capita is about one-half as much as that of the library with the highest value in the population group (\$48.07), it has a total operating income per capita greater than or equal to that of 90% of the libraries in this population group.

Using Other Bases of Comparison

We urge readers not to restrict themselves to comparisons by population groupings. Other indicators or combination of indicators in the report or from other sources which measure municipal revenue capacity may be used to group similar libraries and to form the basis of comparison among them. From the Municipal Tables in this report, a reader may identify municipalities having similar values for one or more of the support and activity indicators and thereby establish a group of similar libraries, regardless of population served.

Section One: Summary Tables

TABLE A - TOTAL OPERATING INCOME PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1987

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	55	0.72 - 78.28	3.97	4.81	6.21	9.96	13.78	11.09
2,000 - 4,999	53	2.46 - 48.07	4.80	7.54	10.85	17.45	24.95	13.95
5,000 - 9,999	70	3.10 - 39.64	4.27	7.30	12.30	15.68	19.46	12.64
10,000 - 24,999	91	5.98 - 41.93	7.71	9.58	14.21	18.65	23.40	15.42
25,000 - 49,999	42	4.26 - 35.66	8.44	12.31	14.18	20.14	26.46	16.73
50,000 - 99,999	18	6.64 - 33.46	7.19	9.88	12.11	14.06	18.73	13.59

TABLE B - APPROPRIATED MUNICIPAL INCOME PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1987

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	55	0.25 - 60.09	2.08	3.41	4.96	7.85	10.80	8.39
2,000 - 4,999	53	0.61 - 38.07	3.58	6.28	9.68	15.85	22.28	11.68
5,000 - 9,999	70	0.05 - 38.15	3.74	6.25	10.49	14.54	17.67	11.13
10,000 - 24,999	91	0.58 - 34.77	6.21	8.88	13.25	17.84	22.59	14.18
25,000 - 49,999	42	1.57 - 32.37	7.81	10.32	12.96	18.24	25.59	15.01
50,000 - 99,999	18	5.83 - 32.02	6.34	8.82	10.58	13.23	17.77	12.39

TABLE C - TOTAL OPERATING EXPENDITURES PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1987

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	1.63 - 61.09	3.98	4.75	6.02	9.24	13.86	10.15
2,000 - 4,999	52	1.87 - 48.51	4.37	7.52	10.41	17.46	23.37	13.59
5,000 - 9,999	68	2.89 - 39.20	4.14	7.00	11.65	15.31	18.99	12.19
10,000 - 24,999	89	5.49 - 42.26	7.29	9.53	14.00	18.95	22.78	15.10
25,000 - 49,999	42	4.70 - 35.44	8.17	11.47	13.65	19.90	26.11	16.16
50,000 - 99,999	18	6.37 - 33.34	6.65	9.45	11.92	13.79	18.45	13.29

TABLE D - SALARY EXPENDITURES PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1987

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	0.00 - 32.42	0.76	2.15	3.20	4.95	7.33	5.06
2,000 - 4,999	52	1.01 - 26.00	1.93	4.10	5.94	11.24	14.57	8.00
5,000 - 9,999	68	0.95 - 25.90	2.64	4.47	7.21	9.11	12.88	7.60
10,000 - 24,999	89	3.42 - 29.18	4.70	6.48	9.49	12.57	16.06	10.04
25,000 - 49,999	42	3.11 - 23.53	5.62	7.46	9.58	13.56	17.31	10.98
50,000 - 99,999	18	4.43 - 23.89	4.47	6.77	8.77	10.32	13.64	9.75

TABLE E - SALARY EXPENDITURES AS PERCENT (%) OF TOTAL OPERATING EXPENDITURES

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1987

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	0 - 78	20	40	49	56	64	47
2,000 - 4,999	52	36 - 78	44	52	57	64	69	58
5,000 - 9,999	68	33 - 77	53	58	63	66	69	62
10,000 - 24,999	89	48 - 79	58	61	67	70	72	66
25,000 - 49,999	42	52 - 77	58	65	69	72	75	68
50,000 - 99,999	18	59 - 80	65	70	74	76	78	73

TABLE F - MATERIALS EXPENDITURES PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1987

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	0.46 - 22.84	1.01	1.39	2.27	3.28	4.20	3.30
2,000 - 4,999	52	0.59 - 13.34	1.19	2.00	2.68	4.25	5.49	3.31
5,000 - 9,999	68	0.61 - 7.33	1.02	1.63	2.68	3.37	4.17	2.71
10,000 - 24,999	89	1.03 - 6.19	1.46	2.03	2.79	3.47	4.74	2.90
25,000 - 49,999	42	0.88 - 5.76	1.41	1.83	2.37	3.37	3.91	2.68
50,000 - 99,999	18	1.13 - 5.30	1.13	1.42	1.60	1.88	2.65	1.93

TABLE G - MATERIALS EXPENDITURES AS PERCENT (%) OF TOTAL OPERATING EXPENDITURES

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1987

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	54	17 - 85	20	22	29	36	58	34
2,000 - 4,999	52	14 - 47	20	21	24	28	34	26
5,000 - 9,999	68	13 - 37	19	20	22	25	27	23
10,000 - 24,999	89	13 - 35	16	17	19	21	25	20
25,000 - 49,999	42	13 - 25	14	15	16	18	21	17
50,000 - 99,999	18	12 - 23	12	12	14	16	16	15

TABLE H - HOLDINGS PER CAPITA

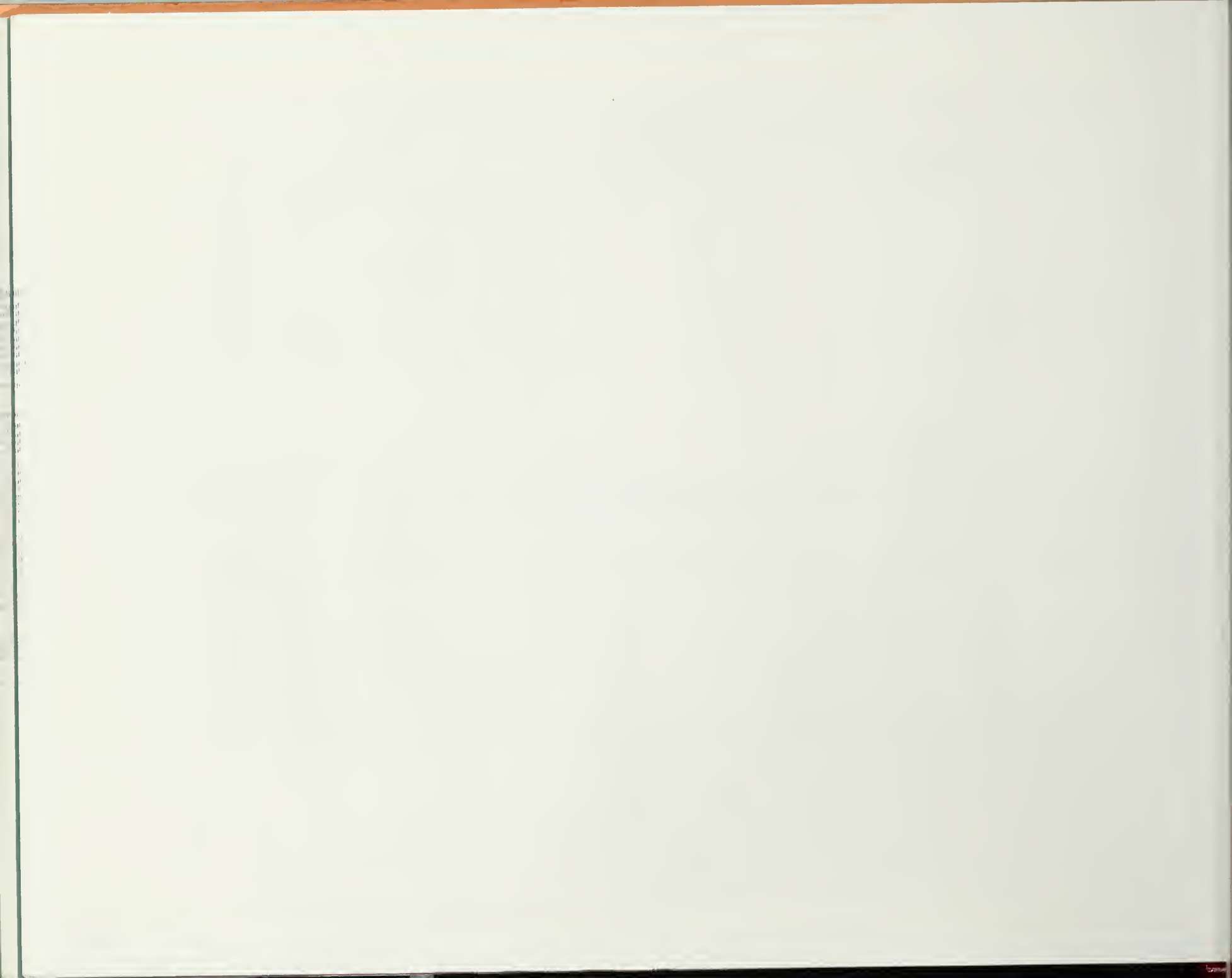
range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1987

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	56	2.21 - 95.36	4.22	5.96	8.25	12.82	24.21	12.61
2,000 - 4,999	51	2.52 - 26.00	3.32	4.50	5.78	7.67	10.39	6.80
5,000 - 9,999	69	1.24 - 10.78	2.05	3.00	4.02	5.75	7.10	4.57
10,000 - 24,999	90	1.62 - 13.44	2.29	2.86	3.84	4.69	5.93	4.04
25,000 - 49,999	42	0.84 - 11.62	1.71	3.08	3.84	4.87	6.05	4.13
50,000 - 99,999	18	1.69 - 7.25	2.17	2.68	3.40	4.16	4.88	3.62

TABLE I - CIRCULATION PER CAPITA

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1987

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	56	1.87 - 56.59	2.73	4.89	6.67	9.40	15.97	9.14
2,000 - 4,999	51	1.58 - 33.74	3.44	4.45	6.17	10.09	13.77	8.34
5,000 - 9,999	69	1.12 - 18.90	2.56	4.01	5.80	8.09	11.10	6.31
10,000 - 24,999	90	2.22 - 15.42	3.42	4.44	6.80	8.75	11.57	6.94
25,000 - 49,999	42	0.89 - 17.55	2.43	3.74	5.86	7.51	10.73	6.27
50,000 - 99,999	18	1.37 - 8.66	1.44	2.08	3.53	5.23	7.57	4.04



Section Two: Data for Individual Municipalities

Population Group I
(1-1,999)

POPULATION GROUP I (1 - 1,999)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. ALFORD	402	341	W	0.72	0.25											
2. ASHFIELD	1,502	295	W	9.30	3.33	7.98	3.99	50	1.77	22	6.97	8.81	15	15	20	1.0
3. BECKET	1,480	296	W	4.49	3.04	4.49	0.00	0	1.50	33	20.36	8.79	12	14	0.0	0.0
4. BERNARDSTON	1,776	288	W													
5. BLANDFORD	1,120	315	W	10.43	8.72	8.72	4.14	48	2.13	24	9.33	15.67	21	21	18	0.6
6. BUCKLAND	1,872	286	W	6.77	4.90	6.77	2.02	30	3.87	57	6.25	4.11	12.5	12.5	12.5	0.4
7. CHARLEMONT	1,203	310	W	4.63	3.53	4.16	3.24	78	0.90	22	9.81	6.36	10	13	15	0.4
8. CHESTER	1,182	312	W	6.53	2.81	6.83	4.38	64	1.37	20	8.34	6.09	15	15	20	0.6
9. CHESTERFIELD	1,157	314	W	7.17	5.73	4.66	3.37	72	1.00	22	6.89	6.12	15	15	15	0.4
10. CHILMARK	583	336	E	63.25	48.81	59.21	32.42	55	17.97	30	42.93	40.85	21	23	28.5	2.1
11. CLARKSBURG	1,756	289	W	5.32	3.44	5.32	2.79	52	2.27	43	4.59	9.94	26	15	20	0.6
12. COLRAIN	1,574	293	W	8.67	6.23	8.67	4.39	51	3.38	39	5.24	5.35	15	15	15	0.5
13. CONWAY	1,342	301	W													
14. CUMMINGTON	741	328	W	4.57	4.39	4.57	0.16	4	3.24	71	12.82	7.46	10	10	20	0.6
15. DUNSTABLE	1,914	282	E	10.19	7.81	9.22	5.85	63	2.71	29	10.27	6.63	20	20	20	1.2
16. EAST BROOKFIELD	1,885	285	C	7.72	7.72	7.72	5.45	71	1.59	21	5.80	10.46	30	30	30	0.9
17. EGREMONT	1,270	307	W	4.08	4.08	4.08	3.03	74	1.02	25	6.68	2.69	13	13	13	0.4
18. ERVING	1,430	299	W	5.74	5.74	5.74	2.29	40	3.38	59	15.95	5.24	10	10	6	0.3
19. FLORIDA	687	330	W	4.28	3.95	3.79	0.58	15	3.13	83	12.45	10.74	12	2	12	0.3
20. GAY HEAD	184	347	E	78.28	49.41	41.53	20.77	50	18.83	45	32.90	22.97	10	10	10	0.3
21. GILL	1,279	306	W													
22. GOSHEN	734	329	W	5.66	1.91	5.59	2.72	49	2.72	49	8.25	9.88	10	10	10	0.3
23. GOSNOLD	58	351	E													
24. GRANVILLE	1,298	304	W	9.84	8.56	8.56	4.22	49	2.70	32	7.30	5.77	17	13	10	0.4
25. HANCOCK	611	333	W													
26. HAWLEY	336	345	W													

Does not have a public library.

POPULATION GROUP I (1 - 1,999)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
27. HEATH	536	338	W	11.31	8.70	11.29	7.28	64	3.71	33	28.80	16.42	11	11	15	0.4
28. HINSDALE	1,675	290	W	5.15	2.25	5.15	2.51	49	1.03	20	2.25	1.87	10	10	12	0.6
29. HOLLAND	1,583	292	W	3.27	3.18	3.18	1.21	38	1.40	44	3.80	7.47	10	10	10	0.3
30. HUBBARDSTON	1,891	284	C	7.79	7.39	6.59	2.32	35	1.97	30	5.59	4.28	20	12	20	0.8
31. HUNTINGTON	1,858	287	W	5.74	5.21	5.27	2.21	42	1.15	22	4.86	4.89	13	13	13	0.8
32. LEVERETT	1,479	297	W	3.91	2.67	3.91	1.96	50	1.60	41	4.60	2.92	18	15	17	0.6
33. LEYDEN	528	339	W	7.58	4.94	7.57	4.04	53	2.52	33	9.60	8.89	10	10	10	0.3
34. MIDDLEFIELD	394	342	W	4.00	3.94	3.64	1.02	28	2.54	70	13.42	7.76	11	8	10	0.3
35. MILLVILLE	1,911	283	C	6.34	5.76	5.76	2.64	46	0.97	17	2.21	2.75	15	10	15	0.4
36. MONROE	148	348	W								31.05	16.94			2	0.1
37. MONTEREY	925	322	W	15.40	15.40	15.08	8.85	59	3.06	20	6.81	4.29	11	11	18	0.6
38. MONTGOMERY	654	332	W				Has no year-round public library.									
39. MOUNT WASHINGTON	100	350	W								25.00	8.61			0.3	0.0
40. NEW ASHFORD	144	349	W				Does not have a public library.									
41. NEW BRAINTREE	682	331	C	5.11	1.83	5.11	0.38	7	4.32	85	7.69	12.23	11.5	10	15	0.4
42. NEW MARLBOROUGH	1,251	309	W	5.28	4.10	5.10	2.28	45	1.03	20	6.42	6.67	11	13	11.5	0.3
43. NEW SALEM	780	324	W	5.86	3.95	5.87	2.84	48	1.41	24	11.09	5.86	16	16	13	0.7
44. OAKHAM	1,099	316	C	11.52	10.13	11.52	6.21	54	3.32	29	14.79	9.37	17	14.5	16.5	0.8
45. OTIS	966	321	W													
46. PELHAM	1,306	303	W	4.10	2.46	4.10	1.32	32	2.40	59	6.34	2.39	10	10	10	0.3
47. PERU	764	326	W	1.92	1.25	1.63	0.00	0	0.46	28	6.58	2.23	10	10	0.0	0.0
48. PETERSHAM	997	319	C	25.41	2.70	24.90	7.37	30	5.16	21	18.17	9.15	23.5	23.5	13.5	0.8
49. PHILLIPSTON	994	320	C	5.09	4.68	5.26	2.01	38	1.84	35	8.81	4.83	10	10	10	0.3
50. PLAINFIELD	433	340	W	11.95	11.47	11.95	6.96	58	4.02	34	21.13	8.94	11	11	15	0.4
51. RICHMOND	1,641	291	W	4.83	3.77	4.83	3.02	63	0.97	20	3.72	6.92	11	11	11	0.5
52. ROWE	337	344	W	63.82	60.09	61.09	31.91	52	22.84	37	95.36	56.59	15	15	15	0.7

POPULATION GROUP I (1 - 1,999)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
53. ROYALSTON	1,005	318	C	8.12	6.47	7.81	3.20	41	2.44	31	8.21	5.07	15	15	15	0.4
54. RUSSELL	1,524	294	W	6.06	6.06	6.05	3.40	56	1.92	32	3.58	5.12	21.5	21.5	10	0.8
55. SANDISFIELD	765	325	W	6.02	6.02	6.02	4.08	68	1.63	27	7.29	6.61	14	14	12	0.4
56. SAVOY	751	327	W													
57. SHELBURNE	1,986	281	W	12.05	6.26	12.03	5.47	45	3.80	32	23.68	13.68	18	18	18	1.5
58. SHUTESBURY	1,162	313	W	3.94	0.82	4.11	1.91	46	1.17	28	4.50	2.51	10	10	8.5	0.2
59. TOLLAND	232	346	W													
60. TRURO	1,464	298	E	10.09	10.09	10.07	4.44	44	3.32	33	10.87	6.80	14	24	19	0.6
61. TYRINGHAM	365	343	W													
62. WALES	1,326	302	W	6.07	4.97	4.97	2.09	42	1.28	26	5.96	3.79	12	22	15	0.4
63. WARWICK	598	334	W	12.15	8.36	10.74	5.08	47	2.38	22	14.61	11.54	10	10	10	0.3
64. WASHINGTON	553	337	W				Does not have a public library.									
65. WENDELL	798	323	W	5.57	5.57	5.57	2.31	41	1.31	23	11.15	3.85	10	10	11	0.3
66. WEST STOCKBRIDGE	1,285	305	W	4.74	4.74	4.64	2.59	56	1.41	30	4.79	6.62	14	14	14	0.4
67. WEST TISBURY	1,182	311	E	33.19	31.18	31.29	19.33	62	7.78	25	12.51	16.85	16	22	20	1.8
68. WESTHAMPTON	1,268	308	W	9.25	7.97	9.25	4.28	46	2.52	27	7.25	6.41	16	16	18	0.7
69. WHATELY	1,363	300	W	9.74	8.45	10.27	6.03	59	2.31	23	11.17	9.40	16	16	20	0.8
70. WINDSOR	589	335	W													
71. WORTHINGTON	1,059	317	W	9.92	4.03	8.66	4.81	56	1.78	21	9.50	7.44	11	11	15	0.6

Population Group II
(2,000 - 4,999)

POPULATION GROUP II (2,000 - 4,999)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. ASHBURNHAM	4,406	235	C	10.57	8.06	10.57	5.72	54	2.50	24	5.92	5.99	49	49	40	3.5
2. ASHBY	2,562	270	C	4.70	3.80	4.21	1.64	39	1.97	47	7.81	3.77	16	15	15	0.4
3. AVON	4,843	227	E	17.11	15.87	15.87	10.22	64	3.25	20	7.14	5.90	49	42.5	35	2.7
4. BARRE	4,257	238	C	12.29	9.88	12.29	7.40	60	3.42	28	5.64	4.20	25	25	35	2.1
5. BERKLEY	3,180	260	E	5.03	5.03	5.03	2.77	55	1.04	21	3.90	2.51	21	21	21.5	1.3
6. BERLIN	2,224	278	C	9.94	9.90	9.94	6.73	68	2.11	21	4.13	6.15	22	20	20	1.2
7. BOLTON	2,820	266	C	10.04	10.04	10.04	5.46	54	2.34	23	5.04	3.86	17	17	25	1.3
8. BOXBOROUGH	3,189	259	C	9.44	8.67	9.23	5.79	63	2.71	29	6.52	8.76	27	23	20	1.8
9. BOYLSTON	3,412	254	C	20.39	18.54	19.36	11.24	58	4.61	24	5.82	6.65	30.5	30.5	35	3.1
10. BRIMFIELD	2,458	272	C	6.47	6.00											
11. BROOKFIELD	2,543	271	C	7.90	6.66	7.43	4.13	56	2.26	30	5.72	5.09	21	21	21	0.9
12. CARLISLE	3,721	250	E	24.50	22.42	22.49	15.39	68	5.50	24	7.62	19.87	58	58	37	4.2
13. CHESHIRE	3,310	255	W	2.49	1.81	1.87	1.01	54	0.79	42			15	15		
14. DEERFIELD	4,503	233	W	8.94	7.26	7.93	4.10	52	2.68	34	10.42	7.01	33	26	17	1.9
15. DOUGLAS	4,444	234	C	9.48	8.65	8.65	5.94	69	2.02	23	2.99	3.55	24	21	27	2.2
16. DOVER	4,840	228	E	16.05	15.37	17.15	8.19	48	4.25	25	8.16	7.07	50	36	40	3.5
17. EASTHAM	3,890	247	E	17.45	17.04	17.46	11.67	67	4.24	24	4.85	13.78	38	44	35	3.0
18. EDGARTOWN	2,633	269	E	48.07	38.07	48.51	26.00	54	13.34	28	13.79	13.69	34	34	26.5	4.5
19. ESSEX	2,931	264	E	7.40	5.37	7.31	5.01	69	1.54	21	4.55	6.54	27	22	27	1.1
20. HADLEY	4,132	242	W	7.42	7.18	7.18	3.97	55	1.53	21	4.68	3.92	34	34	35	1.5
21. HAMPDEN	4,665	231	W	7.62	6.15	7.07	4.64	66	1.87	26	3.31	5.73	30	25	25.5	2.3
22. HARDWICK	2,272	277	W	7.07	4.15	7.03	2.56	36	1.77	25	6.43	3.43	18.5	20.5	15	0.7
23. HATFIELD	3,110	262	W	6.62	6.13	6.45	3.15	49	2.29	35	8.58	6.68	15	8	20	1.0
24. HOPEDALE	3,955	245	C	21.08	17.84	18.27	9.04	49	5.11	28	7.81	10.23	30	22	30	2.9
25. LANESBOROUGH	3,171	261	W	2.46	2.37	2.46	1.77	72	0.59	24	3.13	3.12	15	15	14	0.5
26. MARION	4,027	244	E	17.43	12.83	16.33	9.22	57	4.30	26	7.02	11.36	36.5	36.5	32	2.7

POPULATION GROUP 11 (2,000 - 4,999)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS W IN	OPEN SUM	HRS IN WORK WEEK	FTE
27. MASHPEE	4,691	230	E	10.76	10.17	10.13	6.85	68	2.00	20	2.52	4.53	31	34	30	2.0
28. MENDON	3,296	256	C	3.79	3.32	3.52	1.61	46	1.42	40	6.24	1.58	19	15	10.5	0.6
29. MERRIMAC	4,733	229	E	12.63	11.54	11.96	8.61	72	2.47	21	4.79	6.03	52	48	40	3.7
30. MIDDLETON	4,391	236	E	19.90	19.90	19.90	12.69	64	4.33	22	3.77	5.71	50	30	34	4.6
31. NAHANT	3,922	246	E	22.06	22.06	22.06	13.11	59	4.94	22	19.24	11.98	35	51	40	3.9
32. NORTH BROOKFIELD	4,175	240	C	8.11	7.54	8.10	3.46	43	2.11	26	5.10	5.72	30	30	24	1.6
33. NORTHFIELD	2,348	274	W	19.31	18.88	18.02	11.34	63	4.22	23	8.93	12.30	31	31	40	2.5
34. OAK BLUFFS	2,214	279	E	15.98	15.78	14.69	11.39	78	2.64	18	5.56	5.60	21	33	20	2.1
35. PAXTON	3,711	251	C	12.13	10.00	11.94	6.74	56	3.25	27	5.00	7.10	34	20	35	2.3
36. PLYMPTON	2,164	280	E	12.23	11.86	12.11	7.19	59	3.84	32	6.64	6.19	28	28	30	1.4
37. PRINCETON	2,636	268	C	10.80	9.48	10.79	5.65	52	3.55	33	5.35	11.59	22	16	22	1.6
38. PROVINCETOWN	3,562	252	E	28.96	26.82	28.20	17.29	61	5.94	21	3.65	5.57	45	45	40	4.0
39. ROCHESTER	3,542	253	E	4.33	3.48	3.54	1.42	40	1.13	32	3.09	2.58	15	15	16	0.5
40. ROWLEY	4,125	243	E	10.92	10.06	10.89	6.16	57	3.23	30	6.76	4.08	23	23	27.5	2.5
41. RUTLAND	4,527	232	C	11.30	8.42	10.41	5.56	53	3.13	30	3.40	6.60	36.5	33	30	3.0
42. SHEFFIELD	2,752	267	W	14.92	14.10	14.93	9.48	63	3.54	24	10.89	6.70	27	27	40	1.8
43. SHERBORN	4,225	239	E	25.45	22.38	23.92	14.83	62	4.80	20	10.08	10.04	56	43	37.5	5.3
44. SOUTHAMPTON	4,354	237	W	11.78	9.26	9.65	5.75	60	2.64	27	4.66	6.43	18	18	22	2.3
45. STOCKBRIDGE	2,320	276	W	46.35	10.13	45.45	23.86	53	7.25	16	26.00	25.01	51	53	40	5.0
46. SUNDERLAND	2,883	265	W	9.81	7.96	7.94	3.37	42	2.16	27	4.33	3.70	22	22	40	1.5
47. TISBURY	3,209	257	E													
48. UPTON	4,158	241	C	7.28	6.75	7.79	5.06	65	2.67	34	7.25	5.69	42	42	40	2.0
49. WARREN	3,840	248	C	10.90	8.30	10.38	4.81	46	2.78	27	4.02	5.56	26.5	30	35	1.8
50. WELLFLEET	2,333	275	E	31.30	29.51	31.30	23.07	74	6.33	20	10.96	23.95	33	33	35	3.9
51. WENHAM	3,798	249	E	25.14	22.88	23.59	13.53	57	5.49	23	8.06	19.97	33	29	32.5	4.0
52. WEST BROOKFIELD	3,191	258	C	7.69	4.80	7.72	4.60	60	1.52	20	5.74	10.98	24	24	20	1.4

POPULATION GROUP 11 (2,000 - 4,999)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY EXP \$ \$ PER TOT CAP EXP	MATERLS EXP \$ \$ PER TOT CAP EXP	HLDGS P C	CIRC P C	HOURS OPEN WIN SUM	HRS IN WORK WEEK	FTE
53. WEST NEWBURY	3,084	263	E	19.81	17.90	19.86	12.35 62	5.48 28	7.47	33.74	40 31	40	3.1
54. WILLIAMSBURG	2,447	273	W	7.52	0.61	7.52	3.71 49	1.04 14	6.21	7.49	31.5 34.5	24	1.3

Population Group III
(5,000-9,999)

POPULATION GROUP III (5,000 - 9,999)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDGS P C	CIRC P C	HOURS W IN	OPEN SUM	HRS IN WORK WEEK	FTE
1. ACUSHNET	8,808	167	E	3.10	2.65	2.97	1.97	66	0.61	21	2.36	2.19	21	21	20	1.7
2. AYER	6,637	196	C	12.93	10.82	13.05	7.04	54	3.31	25	2.98	3.60	45	45	40	3.9
3. BELCHERTOWN	9,012	162	W	5.47	4.16	4.16	2.23	54	1.11	27	3.05	3.03	29	29	34	2.5
4. BLACKSTONE	6,712	193	C	4.15	3.39	3.39	2.48	73	0.85	25	2.79	1.12	25	18	32.5	1.6
5. BOXFORD	5,751	215	E	18.00	17.44	16.62	10.41	63	3.11	19	6.47	8.60	58	58	40	5.6
6. BREWSTER	6,343	205	E	19.46	16.39	17.98	10.43	58	3.65	20	3.67	10.15	34	29	35	5.5
7. CARYER	8,934	164	E	7.18	7.02	7.02	3.88	55	1.78	25	2.55	4.49	38	38	35	2.9
8. CHARLTON	7,480	180	C	4.27	3.97	4.04	2.68	66	1.10	27	1.39	3.67	37	31	23	2.4
9. CHATHAM	6,401	204	E	13.97	8.56	13.95	7.62	55	3.42	25	6.30	13.41	34	34	35	3.7
10. COHASSET	7,346	184	E	27.63	26.82	27.63	19.41	70	6.45	23	7.10	11.47	53	50	40	7.9
11. DALTON	6,669	195	W	11.35	10.28	10.64	7.14	67	2.49	23	4.99	8.11	37.5	37.5	40	4.1
12. DIGHTON	5,349	224	E													
13. DUDLEY	8,674	169	C	8.35	6.64	8.35	4.47	54	2.35	28	3.74	5.27	51	48	40	3.2
14. FREETOWN	7,440	182	E	3.48	3.03	2.95	1.56	53	0.93	31	2.71	2.58	28	28	12	1.2
15. GEORGETOWN	5,927	212	E	13.83	12.82	12.79	7.18	56	3.37	26	6.40	8.35	33.5	29.5	33.5	4.1
16. GRANBY	5,497	219	W	7.43	6.89	7.00	4.73	68	1.44	21	3.19	4.53	29.5	25.5	35	2.3
17. GREAT BARRINGTON	7,314	185	W	17.91	16.05	17.15	7.95	46	3.56	21	9.87	9.04	49	48.5	40	5.5
18. GROTON	6,711	194	C	13.27	13.27	13.27	8.92	67	2.85	21	7.07	6.74	35	25	36	5.1
19. GROVELAND	5,031	226	E	8.32	6.58	8.32	5.55	67	2.06	25	4.43	6.44	28.5	25.5	28	2.4
20. HALIFAX	5,938	211	E	13.89	11.39	12.65	8.07	64	3.20	25	4.18	5.38	46.5	46	40	3.7
21. HAMILTON	7,059	189	E	19.36	18.52	18.78	11.22	60	5.01	27	5.66	8.53	46	39	40	5.6
22. HANSON	8,970	163	E	5.57	4.81	5.09	3.91	77	1.00	20	2.70	2.86	40	34	35	2.6
23. HARWICH	9,632	157	E	12.74	10.44	11.41	6.44	56	2.47	22	7.13	11.42	46	48	35	6.0
24. HOPKINTON	7,874	175	C	13.75	12.28						3.98	8.12	34	31	35	5.7
25. HULL	9,751	156	E	10.04	10.04	10.04	6.88	68	2.15	21	3.09	2.95	52	48	35	4.7
26. KINGSTON	7,624	178	E	15.17	15.17	14.91	9.80	66	3.20	21	5.70	6.57	37.5	35	35	4.9

POPULATION GROUP III (5,000 - 9,999)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDGS P C	CIRC P C	HOURS W IN	OPEN SUM	HRS IN WORK WEEK	FTE
27. LAKEVILLE	6,496	200	E	5.65	5.56	5.37	3.36	63	1.23	23	2.06	2.40	32	32	24	2.6
28. LANCASTER	6,437	202	C	17.82	15.92	17.77	9.08	51	3.86	22	7.24	4.81	47	41	40	4.7
29. LEE	6,093	208	W	17.22	15.65	15.94	7.99	50	3.52	22	8.17	7.19	38	38	35	3.5
30. LEICESTER	9,584	158	C	6.17	5.76	5.84	3.68	63	1.41	24	1.90	2.64	35	28	32	3.2
31. LENOX	6,528	199	W	27.03	0.05	24.92	14.83	60	3.22	13	10.78	8.97	38	42	35	6.7
32. LINCOLN	7,464	181	E	39.64	38.15	39.20	25.90	66	7.33	19	8.86	11.41	59.5	52.5	37.5	12.0
33. LITTLETON	7,144	187	C	14.65	13.30	14.65	9.80	67	3.73	25	6.85	9.51	51	51	35	5.5
34. LUNENBURG	8,826	166	C	12.42	11.78	12.17	7.66	63	3.06	25	3.36	6.01	48	44	37.5	4.9
35. MANCHESTER	5,354	222	E	19.92	18.53	19.84	12.87	65	4.19	21	8.98	9.47	45	39	37.5	4.2
36. MATTAPOISETT	5,705	217	E	8.99	7.78	8.58	5.62	66	1.68	20	3.55	5.21	28	28	28	3.1
37. MAYNARD	9,822	155	E	10.56	10.49	10.49	7.30	70	2.10	20	3.84	3.20	35	35	35	4.5
38. MEDWAY	8,890	165	E	11.65	11.65	11.65	7.54	65	2.23	19	4.14	7.00	47	40	40	5.7
39. MILLIS	7,001	191	E	10.57	10.34	10.01	6.87	69	3.03	30	5.76	5.86	42	37	35	4.2
40. MONSON	7,374	183	W	12.30	9.55	12.28	8.15	66	2.68	22	3.98	3.07	51	44	35	4.3
41. MONTAGUE	7,977	174	W	13.02	12.71	12.55	8.07	64	2.93	23	6.60	5.58	44.5	40.5	35	5.4
42. NANTUCKET	5,876	213	E													
43. NEWBURY	5,150	225	E	11.74	11.19	11.33	7.44	66	2.23	20	2.80	4.06	37	30	30	2.5
44. NORFOLK	7,492	179	E	16.04	14.49	14.42	8.78	61	2.93	20	2.55	7.89	48	38	35	4.8
45. NORWELL	9,208	160	E	22.21	21.09	21.18	13.00	61	4.16	20	4.49	6.92	51	44	37.5	7.7
46. ORANGE	7,054	190	W	11.87	10.83	11.52	6.87	60	2.99	26	5.04	4.97	41.5	41.5	35	4.2
47. ORLEANS	5,741	216	E	26.70	25.30	26.70	17.52	66	5.42	20	5.16	18.90	43	36	40	8.2
48. PEPPERELL	8,696	168	C	15.55	14.59	15.31	10.14	66	2.97	19	3.32	7.27	40	37	40	6.5
49. PLAINVILLE	6,173	207	E	4.13	4.13	3.85	1.87	49	1.44	37	1.83	1.49	29	29	22.5	1.3
50. RAYNHAM	9,166	161	E	5.27	3.74	4.90	2.80	57	1.03	21	2.97	4.00	38	24	22	2.4
51. REHOBOTH	7,842	176	E	3.46	2.30	2.89	0.95	33	0.62	21	1.24	1.54	25	16	20	1.0
52. ROCKPORT	6,603	197	E	17.08	16.38	17.08	12.93	76	3.25	19	6.46	11.67	40	40	40	6.6

POPULATION GROUP III (5,000 - 9,999)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDS P C	CIRC P C	HOURS W IN	OPEN SUM	HRS IN WORK WEEK	FTE
53. SALISBURY	6,745	192	E	8.66	8.32	8.35	5.20	62	1.88	23	3.91	6.86	49	49	37	2.9
54. SHIRLEY	5,447	220	C	7.00	5.58	5.62	3.41	61	1.38	24	5.18	2.21	27	27	26	1.9
55. SOUTHBOROUGH	6,405	203	C	18.48	17.67	17.95	12.63	70	3.93	22	6.71	11.37	48	41	40	5.1
56. SOUTHWICK	7,634	177	W	7.03	6.08	6.26	3.79	61	1.60	26	1.93	4.35	39	35	35	2.5
57. STERLING	5,813	214	C	14.58	13.71	13.14	8.53	65	3.02	23	4.06	7.78	40	40	40	3.9
58. STOW	5,361	221	E	14.27	11.78	14.46	6.97	48	4.42	31	5.63	5.72	42	38	35	2.5
59. STURBRIDGE	6,565	198	C	6.71	5.62	6.87	4.61	67	1.31	19	2.70	5.74	48	48	22	2.8
60. SUTTON	6,342	206	C	4.19	4.19	4.19	2.92	70	0.72	17	3.15	4.08	29	29	25	1.8
61. TEMPLETON	5,957	210	C	4.81	3.19											
62. TOPSFIELD	5,700	218	E	24.22	24.19	22.53	13.05	58	5.20	23	6.57	11.07	49	44	37.5	6.1
63. TOWNSEND	8,074	173	C	8.75	7.39	7.81	4.49	58	2.51	32	3.06	5.64	32	25	32	3.0
64. TYNGSBOROUGH	7,065	188	E	7.63	6.42	6.84	4.31	63	1.87	27	1.68	4.24	35	25	35	3.2
65. UXBRIDGE	8,621	170	C	13.84	10.34	11.98	7.78	65	2.65	22	5.31	6.48	30	30	35	6.0
66. WARE	9,228	159	W	11.57	7.89	10.58	5.87	55	2.40	23	4.82	5.89	33	33	35.5	4.0
67. WEST BOYLSTON	6,063	209	C	18.61	16.36	17.11	11.54	67	3.68	22	5.35	5.91	35.5	29	35	5.8
68. WEST BRIDGEWATER	6,474	201	E	15.80	15.80	15.80	9.61	61	3.43	22	4.89	3.99	44	44	35	4.7
69. WESTMINSTER	5,353	223	C	13.90	13.18	13.87	9.11	66	2.87	21	4.65	6.03	41	35	35	3.4
70. WILLIAMSTOWN	8,383	171	W	12.36	12.36	11.20	7.21	64	2.45	22	3.61	8.02	43	40	37.5	5.0
71. WINCHENDON	7,293	186	C	8.40	6.69	8.02	5.41	67	1.63	20	3.76	4.65	35	35	37	2.9
72. WRENTHAM	8,191	172	E	12.02	11.56	12.02	7.40	62	2.79	23	3.22	5.42	48.5	44.5	35	4.0

Population Group IV
(10,000-24,999)

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. ABINGTON	13,579	120	E	12.07	10.60	11.14	7.70	69	2.05	18	3.01	4.48	53	42.5	35	6.4
2. ACTON	17,672	92	E	18.20	17.72	17.58	13.88	79	2.98	17	3.82	10.61	67	56	40	13.4
3. ADAMS	10,181	153	W	12.65	10.85	11.81	8.43	71	2.54	21	3.67	7.50	55	55	35	5.7
4. AMESBURY	14,563	109	E	16.91	16.91	16.82	12.41	74	2.94	17	7.01	8.24	58	58	35	12.0
5. ASHLAND	10,328	152	E	5.98	5.95						3.57	4.08			35	4.1
6. ATHOL	10,560	151	C	15.01	15.01	14.80	10.31	70	2.84	19	3.56	8.41	62	53	40	8.1
7. AUBURN	14,477	111	C	19.73	19.62	19.41	12.02	62	3.61	19	3.69	9.46	61.5	51.5	35	11.3
8. BEDFORD	12,800	130	E	29.36	28.30	27.84	18.21	65	5.80	21	4.98	11.57	67	64	40	14.0
9. BELLINGHAM	14,071	115	E	8.34	5.61	5.49	3.46	63	1.54	28	2.03	3.13	48	42	35	5.2
10. BOURNE	14,995	107	E	12.63	12.16	12.21	8.69	71	1.98	16	3.27	5.09	50	50	37.5	9.5
11. BRIDGEWATER	17,813	90	E	18.93	18.20	17.91	12.95	72	2.87	16	4.04	7.58	58	43	35	14.7
12. BURLINGTON	22,959	69	E	14.25	13.27	13.84	9.84	71	2.89	21	2.74	5.11	63	52	35	13.1
13. CANTON	18,177	86	E	19.50	19.18	19.42	14.23	73	3.30	17	4.42	7.98	51.5	51.5	35	14.6
14. CLINTON	12,441	132	C	8.90	8.90	8.90	6.04	68	1.50	17	7.48	3.51	43	42	37	5.6
15. CONCORD	16,455	100	E	41.93	34.77	42.26	29.18	69	6.19	15	13.44	12.89	71	60	37.5	26.9
16. DANVERS	24,087	68	E	18.16	15.78	18.16	12.54	69	3.77	21	4.68	8.52	64	60	37.5	19.0
17. DARTMOUTH	24,840	64	E	14.03	13.90	14.03	9.47	67	2.61	19	3.95	7.52	60	60	35	17.3
18. DEDHAM	24,399	66	E	17.68	16.12	16.80	12.39	74	2.16	13	6.94	5.18	64	64	37.5	17.9
19. DENNIS	13,545	121	E	6.03	3.35											
20. DRACUT	22,899	70	E	9.60	9.52	9.52	6.17	65	1.46	15	2.44	3.81	60	49	35	9.1
21. DUXBURY	13,174	126	E	21.09	18.09	21.07	12.58	60	4.19	20	4.89	8.17	62	58	40	11.0
22. EAST BRIDGEWATER	10,167	154	E	15.06	14.48	15.10	10.08	67	3.03	20	4.75	4.37	52	47	35	7.8
23. EAST LONGMEADOW	12,535	131	W	20.24	19.25	19.61	13.12	67	3.33	17	4.58	10.57	62	52	37	11.4
24. EASTHAMPTON	16,189	103	W	6.87	4.68	6.84	4.75	69	1.03	15	2.29	3.42	50.5	50.5	35	4.3
25. EASTON	17,719	91	E	7.20	0.58	7.07	4.02	57	1.10	16	2.71	3.56	50	28	35	6.8
26. FAIRHAVEN	15,646	104	E	13.77	11.82	12.86	6.64	52	2.52	20	5.82	4.60	60	60	37	8.3

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
27. FOXBOROUGH	14,388	112	E	18.00	17.69	17.71	12.22	69	3.62	20	4.29	7.28	52	50	35	10.9
28. FRANKLIN	19,023	83	E	9.50	8.46	9.09	6.81	75	1.45	16	2.50	5.34	58	51	35	8.7
29. GARDNER	18,150	88	C	16.06	13.22	15.70	9.51	61	3.17	20	3.40	9.85	60	52	37.5	12.0
30. GRAFTON	11,850	138	C	9.10	7.99	8.47	4.83	57	2.12	25	4.13	2.64	45	38	35	5.6
31. GREENFIELD	18,073	89	W	14.18	12.60	12.90	9.65	75	2.10	16	4.70	5.89	54	41	37.5	10.7
32. HANOVER	11,403	143	E	13.50	11.89	12.62	7.55	60	2.70	21	5.38	7.71	51	44	35	6.3
33. HARVARD	13,174	125	C	9.00	7.79	9.00	4.36	48	2.66	30	2.37	3.16	49	47	30	4.4
34. HINGHAM	19,942	78	E	27.41	23.03	26.13	18.55	71	4.05	15	9.30	15.42	59	52	35	24.5
35. HOLBROOK	10,992	146	E	14.38	12.68	12.71	8.20	65	2.83	22	3.99	5.52	49	49	37.5	6.5
36. HOLDEN	13,512	122	C	18.46	17.76	17.76	11.61	65	2.96	17	2.72	5.39	55	46	35	9.6
37. HOLLISTON	12,900	129	E	10.99	10.04	9.63	6.43	67	1.81	19	3.27	3.95	52	45	37.5	6.3
38. HUDSON	17,369	95	C	14.04	12.96	12.96	9.17	71	2.53	20	2.54	6.94	61	53	37.5	10.5
39. IPSWICH	11,566	142	E	16.09	15.46	15.71	10.68	68	3.35	21	5.14	7.54	54.5	46	37.5	9.2
40. LONGMEADOW	16,213	102	W	15.70	14.10	15.02	9.01	60	3.04	20	3.86	9.42	57	50	37	10.9
41. LUDLOW	18,348	85	W	8.02	7.50	7.50	5.08	68	1.50	20	1.89	3.45	54.5	49.5	40	6.1
42. LYNNFIELD	11,191	145	E	21.09	19.52	21.13	14.46	68	4.76	23	6.25	12.52	64	56	35	9.4
43. MANSFIELD	14,089	114	E	11.30	10.65	10.35	6.93	67	2.37	23	2.92	5.40	52	45	36	6.8
44. MARBLEHEAD	19,755	79	E	24.46	24.23	24.16	16.74	69	4.87	20	4.69	11.62	64	60	40	22.4
45. MARSHFIELD	21,881	74	E	12.73	12.22	12.05	8.83	73	2.09	17	2.85	7.68	59	59	37.5	11.7
46. MEDFIELD	10,564	150	E	11.07	10.62	11.02	7.06	64	2.28	21	3.11	7.23	56	52	37.5	9.7
47. MIDDLEBOROUGH	17,116	97	E	13.51	11.30	11.71	6.78	58	4.05	35	6.41	3.96	52	52	37.5	7.9
48. MILFORD	24,115	67	C	22.78	21.38	21.47	13.23	62	4.89	23	1.62	5.03	62	54	35	19.7
49. MILLBURY	11,683	141	C	12.71	12.22	12.22	7.23	59	2.70	22	2.87	3.64	41	41	35	7.1
50. NEWBURYPORT	16,545	99	E	17.89	15.82	16.19	11.40	70	3.14	19	4.47	5.76	60	55	35	13.7
51. NORTH ADAMS	17,387	94	W	8.88	8.36	7.88	5.85	74	1.39	18	2.42	3.63	53	49	37.5	8.1
52. NORTH ANDOVER	21,670	76	E	13.83	12.73	13.96	9.06	65	2.64	19	3.00	5.82	67	56	37.5	11.9

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
53. NORTH ATTLEBOROUGH	21,787	75	E	7.70	7.07	7.72	5.22	68	1.42	18	1.63	3.53	50	39	37	9.4
54. NORTH READING	11,799	139	E	13.68	12.45	12.21	7.90	65	2.85	23	3.17	3.52	54	48	35	6.5
55. NORTHBOROUGH	10,741	149	C	27.20	25.74	26.93	16.36	61	5.82	22	5.12	11.66	54	54	40	12.5
56. NORTHBRIDGE	12,265	134	C	10.22	8.84	9.80	6.02	61	2.19	22	4.44	5.17	40.5	37.5	35	5.2
57. NORTON	13,156	127	E	7.75	6.26	7.75	4.72	61	2.03	26	1.96	3.39	44	40	35	4.1
58. OXFORD	11,891	137	C	10.46	9.70	9.55	6.86	72	1.63	17	2.36	3.17	42	38	37.5	5.6
59. PALMER	11,756	140	W	17.85	16.69	17.85	10.39	58	3.30	19	4.76	13.77	57.5	47	35	10.4
60. PEMBROKE	13,882	117	E	8.06	6.93	7.30	4.54	62	1.77	24	3.18	4.61	51	51	37.5	4.9
61. READING	22,545	72	E	18.56	17.27	20.19	13.75	68	3.24	16	4.17	12.27	68.5	60	37.5	20.6
62. ROCKLAND	15,476	105	E	10.64	9.34	10.49	7.48	71	1.87	18	2.46	4.91	54	47	35	9.5
63. SANDWICH	10,756	148	E	21.07	18.50	21.07	12.69	60	3.83	18	3.94	9.95	42	42	35	9.2
64. SCITUATE	17,273	96	E	16.32	15.31	16.23	10.48	65	3.02	19	3.97	8.45	56	52	35	10.4
65. SEEKONK	12,355	133	E	13.13	13.13	13.13	8.89	68	2.69	20	3.61	8.61	49	49	32.5	7.6
66. SHARON	14,197	113	E	20.37	19.72	20.37	13.22	65	4.52	22	4.62	9.75	50.5	50.5	37.5	12.4
67. SHREWSBURY	22,548	71	C	21.02	19.87	21.51	12.41	58	3.50	16	4.55	7.44	59	55	37.5	19.8
68. SOMERSET	18,174	87	E	13.78	13.78	13.78	9.84	71	2.75	20	4.07	7.37	71	68	35	12.9
69. SOUTH HADLEY	16,315	101	W	15.42	15.42	15.42	10.09	65	3.17	21	3.02	9.18	54	48	35	10.3
70. SOUTHBRIDGE	16,629	98	C	14.84	13.27	14.71	8.98	61	2.96	20	3.68	6.15	62	58	37.5	10.5
71. SPENCER	11,265	144	C	9.54	6.13	8.43	4.87	58	2.44	29	2.73	5.20	50	50	25	4.1
72. STONEHAM	22,450	73	E	16.51	16.51	15.91	11.17	70	2.55	16	3.54	7.08	62	51	35	15.8
73. SUDBURY	13,993	116	E	23.44	22.61	22.63	16.03	71	3.56	16	4.01	12.29	64	52	35	11.2
74. SWAMPSCOTT	13,499	123	E	20.30	18.60	19.21	13.61	71	3.67	19	5.57	7.83	60	52	35	11.3
75. SWANSEA	15,442	106	E	6.02	5.52	6.02	3.62	60	1.72	29	3.62	4.49	50	50	37.5	5.0
76. TEWKSBURY	24,556	65	E	7.18	6.20	7.18	5.05	70	1.15	16	1.75	2.88	58	55	37.5	6.4
77. WALPOLE	19,293	81	E	15.76	14.58	15.20	9.50	63	3.39	22	4.89	6.80	63	52	35	12.8
78. WAREHAM	19,206	82	E	7.81	6.79	7.05	4.51	64	1.75	25	1.80	5.10	52.5	50	40	6.6

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
79. WAYLAND	12,211	135	E	25.81	25.32	25.95	18.50	71	4.77	18	5.93	9.38	67	57	35	12.3
80. WEBSTER	14,795	108	C	8.35	7.80	7.77	5.34	69	1.86	24	4.22	5.36	49	49	35	5.9
81. WESTBOROUGH	13,261	124	C	23.04	22.45	21.86	14.62	67	4.30	20	3.56	8.89	53	53	35	12.2
82. WESTFORD	14,537	110	E	21.69	20.57	19.98	14.07	70	3.64	18	3.84	7.45	59	44	37.5	13.7
83. WESTON	10,908	147	E	31.37	30.50	30.76	19.48	63	5.87	19	5.74	10.87	61	53	37.5	13.8
84. WESTPORT	13,861	118	E	7.35	7.24	7.18	4.89	68	1.25	17	2.31	4.39	48	48	35	5.0
85. WESTWOOD	12,976	128	E	32.91	32.17	30.92	22.07	71	4.87	16	6.49	11.76	67	60	35	16.0
86. WHITMAN	13,684	119	E	6.66	5.31	6.30	3.42	54	1.88	30	2.15	2.22	48.5	45	35	4.2
87. WILBRAHAM	12,166	136	W	17.10	15.63	16.13	9.84	61	2.85	18	4.59	9.29	59	52	35	8.5
88. WILMINGTON	17,442	93	E	17.54	16.72	17.54	11.75	67	2.62	15	4.46	6.26	60	52	35	11.8
89. WINCHESTER	20,021	77	E	29.52	28.15	29.00	19.70	68	4.74	16	6.28	11.44	63	44.5	35	21.8
90. WINTHROP	18,896	84	E	10.34	9.35	9.33	7.37	79	1.40	15	3.92	3.40	50	43	35	10.5
91. YARMOUTH	19,690	80	E	7.97	6.50	7.56	3.70	49	2.14	28	3.43	8.47	50	50	35	7.0

Population Group V
(25,000-49,999)

POPULATION GROUP V (25,000 - 49,999)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS W IN	OPEN SUM	HRS IN WORK WEEK	FTE
1. AGAWAM	26,754	56	W	12.77	11.47	12.70	7.40	58	2.87	23	3.35	4.85	65	57	35	12.6
2. AMHERST	32,804	42	W	19.82	19.50	19.74	12.77	65	3.29	17	3.91	7.53	63	59	37.5	31.3
3. ANDOVER	27,203	53	E	27.59	27.10	27.59	17.78	64	4.99	18	7.49	11.81	71	60	37.5	29.6
4. ARLINGTON	45,640	24	E	19.86	19.21	19.63	14.19	72	3.02	15	3.75	8.03	68	60	35	39.1
5. ATTLEBORO	33,861	40	E	12.18	10.24	11.20	7.22	64	1.96	18	3.18	4.40	63	50.5	35	17.8
6. BARNSTABLE	35,080	38	E	26.24	17.42	25.25	13.02	52	3.95	16	5.97	10.39	63.5	65	35	34.7
7. BELMONT	25,400	60	E	28.17	27.86	27.72	20.11	73	4.96	18	5.69	9.54	69	65	35	26.8
8. BEVERLY	37,475	33	E	14.18	13.76	13.54	8.84	65	3.16	23	3.95	7.58	69	60	35	20.8
9. BILLERICA	37,608	32	E	8.86	8.42	8.23	5.45	66	1.37	17	1.65	3.58	64	56	37.5	12.2
10. BRAINTREE	35,451	37	E	18.53	18.20	17.17	12.58	73	2.37	14	2.54	5.86	64	55	38	27.7
11. CHELMSFORD	31,150	44	E	19.34	18.27	18.60	12.53	67	3.39	18	2.99	7.54	68	65	37.5	24.5
12. CHELSEA	26,058	58	E	11.69	10.40	10.10	7.82	77	2.02	20	5.68	4.25	63	42	35	12.0
13. EVERETT	36,511	36	E	12.45	11.68	11.79	8.76	74	1.82	15	5.38	2.95	72	56	37	19.5
14. FALMOUTH	25,007	63	E	22.96	20.20	22.16	15.42	70	3.35	15	4.94	11.28	59	61	37.5	27.2
15. FITCHBURG	39,740	28	C	17.61	14.91	16.97	11.45	67	2.85	17	4.50	6.17	63.5	53	37.5	31.1
16. GLOUCESTER	28,092	51	E	13.22	10.90	12.71	9.76	77	1.71	13	3.83	5.11	63	59	40	16.2
17. HAVERHILL	47,715	22	E	13.65	9.23	13.65	8.27	61	1.91	14	3.87	3.74	65.5	61.5	40	28.3
18. HOLYOKE	43,090	27	W	8.34	5.40	7.38	4.63	63	1.53	21	3.49	2.14	64	52	35	13.9
19. LEOMINSTER	34,624	39	C	13.17	12.21	12.17	8.76	72	1.99	16	3.20	4.59	64	60	37.5	18.8
20. LEXINGTON	29,033	48	E	35.66	31.41	35.44	23.53	66	5.76	16	8.14	17.55	70	66	37	41.6
21. MARLBOROUGH	31,550	43	E	13.57	12.28	13.12	9.25	70	2.01	15	3.88	6.35	64	54	35	19.8
22. MELROSE	29,123	47	E	13.72	12.96	13.72	9.78	71	2.14	16	3.90	6.89	64	56	37	18.6
23. METHUEN	38,447	30	E	5.92	1.57	5.72	3.32	58	1.43	25	1.39	2.34	64	56	35	10.6
24. MILTON	25,696	59	E	20.22	18.21	20.06	13.65	68	3.38	17	4.81	7.49	68.5	56.5	37.5	19.6
25. NATICK	30,198	45	E	20.05	18.05	19.50	13.47	69	2.95	15	4.25	7.03	64.5	56.5	37.5	22.7
26. NEEDHAM	27,310	52	E	22.98	21.88	22.39	15.31	68	3.76	17	4.93	10.82	68	64	37.5	25.0

POPULATION GROUP V (25,000 - 49,999)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
27. NORTHAMPTON	29,179	46	W	21.28	16.69	20.46	14.60	71	3.28	16	11.62	7.15	70	70	37.5	29.4
28. NORWOOD	28,918	49	E	18.03	18.03	18.03	13.03	72	2.68	15	3.17	6.38	72	60	35	16.4
29. PEABODY	46,140	23	E	15.37	13.62	13.62	7.18	53	3.46	25	2.12	2.56	69	65	35	23.6
30. PLYMOUTH	38,384	31	E	13.87	11.01	11.75	8.94	76	1.62	14	1.96	4.66	63	54.5	37.5	14.1
31. RANDOLPH	28,355	50	E	9.61	9.45	9.27	6.46	70	1.55	17	1.49	5.93	64	46	35	11.1
32. REVERE	43,141	26	E	4.26	3.77	4.70	3.11	66	0.88	19	0.84	0.89	65	53	40	10.6
33. SALEM	38,555	29	E	13.59	12.02	13.51	9.47	70	1.98	15	4.34	3.09	64	64	35	21.9
34. SAUGUS	25,313	61	E	8.15	7.66	8.15	6.28	77	1.41	17	2.60	3.34	57	46	37.5	8.7
35. STOUGHTON	27,126	54	E	14.43	13.93	13.93	9.60	69	2.53	18	3.55	5.22	64	55.5	35	14.8
36. TAUNTON	45,411	25	E	10.20	8.54	10.20	7.52	74	1.83	18	6.07	3.73	64	55	35	26.5
37. WAKEFIELD	25,112	62	E	21.12	21.12	20.55	14.13	69	3.44	17	3.57	6.72	64	56	35	19.0
38. WATERTOWN	33,430	41	E	26.52	26.52	26.33	19.43	74	3.47	13	3.84	5.52	61	49	37	36.3
39. WELLESLEY	26,658	57	E	33.95	32.37	32.94	21.87	66	5.15	16	7.59	14.62	65	62	35	33.7
40. WEST SPRINGFIELD	26,965	55	W	12.45	11.34	11.76	7.07	60	1.93	16	3.43	4.83	64	50	37.5	13.2
41. WESTFIELD	36,924	35	W	15.66	11.58	14.68	9.58	65	2.15	15	4.15	6.28	63	54.5	37	23.8
42. WOBURN	37,251	34	E	11.22	10.16	10.40	7.85	75	1.35	13	2.51	2.40	65	49.5	37.5	16.4

Population Group VI (50,000-99,999)

POPULATION GROUP VI (50,000 - 99,999)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. BROCKTON	95,892	5	E	11.86	10.24	10.74	8.17	76	1.34	12	3.12	3.53	64	52	35	46.6
2. BROOKLINE	53,302	20	E	33.46	32.02	33.34	23.89	72	5.30	16	7.25	8.66	63	61	37	61.0
3. CAMBRIDGE	92,535	7	E	19.54	19.02	19.46	14.07	72	2.43	12	4.83	6.10	68	60	37.5	69.0
4. CHICOPEE	56,464	17	W	8.82	8.28	8.77	6.21	71	1.24	14	1.69	2.82	63	48	35	25.3
5. FALL RIVER	92,038	8	E	6.64	6.47	6.37	4.43	70	1.13	18	4.14	2.17	64	56	35	28.0
6. FRAMINGHAM	64,844	13	E	18.53	17.35	18.09	13.49	75	2.89	16	3.68	7.75	67.5	64.5	37.5	47.8
7. LAWRENCE	64,432	14	E	10.23	8.63	9.77	5.79	59	1.50	15	3.59	1.46	64	56	35	25.6
8. LOWELL	93,473	6	E	7.33	5.83	6.72	4.48	67	1.51	23	2.29	1.37	63.5	52.5	35	24.7
9. LYNN	79,264	11	E	11.08	9.77	11.03	8.61	78	1.60	14	3.40	1.99	64	50	35	45.0
10. MALDEN	53,604	19	E	12.49	10.76	12.49	8.42	67	1.71	14	4.17	2.46	66	54	35	28.4
11. MEDFORD	57,343	16	E	12.51	11.97	11.92	9.19	77	1.52	13	2.31	2.78	65	57	35	26.4
12. NEW BEDFORD	97,738	4	E	11.44	9.00	11.55	8.77	76	1.60	14	4.73	3.90	64	64	35	54.2
13. NEWTON	82,297	10	E	18.53	17.46	18.20	13.53	74	2.59	14	5.06	5.78	68	65	37.5	71.7
14. PITTSFIELD	50,340	21	W	12.30	10.84	11.92	9.32	78	1.94	16	3.80	7.53	68	49	35	29.3
15. QUINCY	83,682	9	E	15.51	14.49	14.99	11.05	74	1.81	12	2.67	4.67	64	56	35	41.6
16. SOMERVILLE	75,836	12	E	12.11	10.58	12.10	9.15	76	1.76	15	2.94	1.94	63	57	35	40.9
17. WALTHAM	57,713	15	E	9.53	9.13	9.13	7.32	80	1.13	12	2.68	3.89	63	53	35	26.0
18. WEYMOUTH	54,273	18	E	12.62	11.15	12.60	9.59	76	1.79	14	2.86	3.96	67	56	35	28.5

Population Group VII (100,000 +)

POPULATION GROUP VII (100,000+)

MUNICIPALITY	'84 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. BOSTON	570,719	1	E	29.39	27.69	28.97	19.25	66	4.61	16	10.69	3.01	68	64	35	668.7
2. SPRINGFIELD	150,454	3	W	29.97	26.14	26.14	18.24	70	4.19	16	4.64	8.49	68	52	37.5	163.1
3. WORCESTER	159,843	2	C	19.75	17.46	18.42	13.11	71	2.37	13	5.35	4.56	65	52.5	40	125.9

Section Three:

FY88 LIG & MEG Application Page 2

Annual Report Information Survey

Last Page

A. FY88 TOTAL OPERATING INCOME (no cents) — BUDGETED

Sources of Income	APPROPRIATED
1. Municipal Funds	_____
2. Carry-over From FY87 Appropriation	_____
3. Dog Tax Fund	_____
4. Additional Aid to Public Libraries	_____
5. Trusts and Endowments	_____
6. Monetary Gifts	_____
7. Other & Miscellaneous	_____
8. FY87 &/or FY88 LIG	_____
9. FY87 &/or FY88 MEG	_____

**NOT
APPROPRIATED**

**FY88
BOX A** Total Appropriated Municipal
Income for 7/1/87-6/30/88

B. FY88 CAPITAL PROGRAMS*

1. Income
- a. Appro. Municipal Income _____
- b. Additional Aid to Public Libraries _____
- c. FY87 &/or FY88 LIG _____
- d. FY87 &/or FY88 MEG _____
- e. Additional Monies _____

**TOTAL
BOX B1**

* Funds reported in Section B should not be reported in Section A.

C. FY87 TOTAL OPERATING INCOME (no cents) — ACTUAL

Sources of Income	APPROPRIATED
1. Municipal Funds	_____
2. Carry-over From FY86 Appropriation	_____
3. FY86 LIG	_____
4. Dog Tax Fund	_____
5. Additional Aid to Public Libraries	_____
6. Trusts and Endowments	_____
7. Monetary Gifts	_____
8. Other & Miscellaneous	_____
9. FY87 LIG	_____
10. FY87 MEG	_____

**NOT
APPROPRIATED**

**FY87
BOX C** Total Appropriated Municipal
Income for 7/1/86-6/30/87

D. FY87 CAPITAL PROGRAMS & OUTLAYS*

1. Income
- a. Appro. Municipal Income _____
- b. Additional Aid to Public Libraries _____
- c. FY87 LIG _____
- d. FY87 MEG _____
- e. Additional Monies _____

**TOTAL
BOX D1**

BOX D2

2. Expenditures

* Funds reported in Section D should not be reported in Sections C or E. Please see Instructions.

Municipal Appropriation Requirement TOTAL APPROPRIATED MUNICIPAL INCOMES FOR FISCAL YEARS 1988 TO 1985

FY 1988 (BOX A)

FY 1987 (BOX C)

FY 1986

FY 1985

INSTRUCTIONS FOR FISCAL YEAR 1988 LIBRARY INCENTIVE GRANT &/OR MUNICIPAL EQUALIZATION GRANT APPLICATION

(Excerpts regarding Income and Expenditures; see sections C and D for FY87 data)

A ✓ **Indicates new or substantially revised instructions. PLEASE** read these instructions before completing the application and call the LIG/MEG Unit staff at 1-800-952-7403 or 267-9400 if you have any questions.

✓ **Applying for both the FY88 LIG and FY88 MEG?** - please complete all pages of this application, check both boxes at the bottom of page 4, and have the application signed by the Chair of the Board of Trustees.

✓ **Applying only for an FY88 MEG?** - please complete page 2, check the last box at the bottom of page 4, and have the application signed by the Chair of the Board of Trustees.

Instructions corresponding to each page of the Application are separated below by a solid horizontal line.

p1 At the bottom of the page give the inclusive dates of the fiscal year for which you are reporting only if it differs from a July 1 through June 30 year.

✓ p2 A **FY88 TOTAL OPERATING INCOME (no cents) - BUDGETED**

Exclude - Income earmarked for capital programs and outlays

In Section A, for each source of income listed, indicate in the relevant columns the amounts budgeted for operating the library in FY88 (1 July '87 - 30 June '88).

p2 A1 **Municipal Funds**

Include + revenue, such as from the local tax levy, appropriated for operating expenditures
+ funds and transfers through the supplemental budget process

Exclude - and report separately, if possible, these sources of income. Such reporting helps identify the frequency with which various sources contribute to public library funding

- Carry-over from FY87 Appropriation

- Dog Tax Fund

✓ - Federal Revenue Sharing and report it under Other & Miscellaneous

- Additional Aid to Public Libraries

- Other & Miscellaneous

- Library Incentive Grant (LIG) and Municipal Equalization Grant (MEG)

A2 **Carry-over From FY87 Appropriation**

Include + FY87 appropriated monies which were unencumbered and unexpended that year and authorized by the municipality for operating expenses during FY88

Exclude - FY87 LIG and/or FY87 MEG

A3 Dog Tax Fund

A4 Additional Aid to Public Libraries:

Include + the monies from line B.8 of the FY88 Cherry Sheet. The Cherry Sheet labeled these monies as "Additional Aid to Public Libraries"; informally they have also been referred to as the "supplemental aid".

Exclude - the FY88 LIG and MEG monies which were noted on line B10 (labeled Public Libraries) of the FY88 Cherry Sheet.

A5 Trusts and Endowments

Include + interest or other income from trusts and endowments expected between 1 July 1987 - 30 June 1988. If some or all of your trust funds and/or endowments do not follow the July - June fiscal year, please indicate that on the bottom line of page 1.

Exclude - the principal of trusts and endowments

A6 Monetary Gifts

Include + monetary gifts received from civic and business organizations and foundations as well as from individuals

Exclude - estimated or fair market value of non-monetary gifts (such as books, paintings, furniture, etc.)

- grants from foundations or civic and business organizations

✓ A7 Other and Miscellaneous

Include + revenue not specified elsewhere in section A. Such revenue may be from Federal Revenue Sharing, fines, fees, (such as from photocopiers, public access microcomputers or rentals), the sale of inventory and fixed assets, or proceeds from fund raising projects and consignment shops.

Exclude - receipts retained by the municipality and not authorized for the library's operating expenses. Also exclude these monies:

1. non-governmental grant monies received as a result of a proposal prepared in response to the requirements of the grantor. Grantors may include civic and business organizations and foundations.
2. LSCA and other federal grant monies except Federal Revenue Sharing which should be reported here.
3. federally subsidized employment programs such as those funded under the Older Americans Act
4. federal income earmarked for capital programs and outlays

5. Income from state government grants, such as the State Competitive Grant and those awarded by the Massachusetts Arts Lottery Council, except report the LIG, MEG and Additional Aid to Public Libraries, noted in A8-9 and A4.
- under, APPROPRIATED, receipts retained by the municipality and not authorized for the library's operating expenses.

✓ **A8 FY87 and/or FY88 LIG - Report all income in NOT APPROPRIATED Column**

- Include** + the FY87 and/or FY88 funds that have been budgeted for operating library services during FY88. Based on the budget language funding the grants, we will be considering these funds as "not appropriated". Therefore, **please report such income in the "NOT APPROPRIATED" column even if town meeting took action giving the funds to the library.**
- Exclude** - here, but report in Section B, any amount set aside for capital outlays
- funds carried over from FY87.

✓ **A9 FY87 and/or FY88 MEG - Report all income in NOT APPROPRIATED column**

- Include** + the FY87 and/or FY88 funds that have been budgeted for operating library services during FY88. Based on the budget language funding the grants, we will be considering these funds as "not appropriated". Therefore, **please report such income in the "NOT APPROPRIATED" column even if town meeting took action giving the funds to the library.**
- Exclude** - here, but report in Section B, any amount set aside for capital outlays.
- funds carried over from FY87.

p2 Box A Add lines A1-7 in the APPROPRIATED column and place the sum in Box A labeled FY88 "Total Appropriated Municipal Income."

✓ **p2 B FY88 CAPITAL PROGRAMS**

In general, record here the income for the hardware associated with the library's automated systems and/or automated networks for resource sharing. Also record here the income for the library's creation of machine-readable records in a retrospective conversion project if it was not reported as part of operating income.

p2 B1 INCOME (Capital)

- Include** + Income for capital programs or outlays. These may generally be defined as extraordinary and non-recurring programs, such as construction, renovation, improvement, expansion, or repair of a library building, resulting in the acquisition of, or addition to, fixed assets which will remain usable in excess of one year.

Municipalities, however, often have their own definition of what constitutes a capital program or outlay. If available, use the municipality's definition or that of the Board of Trustees.

Note that any income reported here in section B1 should not be reported in section A.

B1a Appro Municipal Income (Capital)

Include + appropriations for capital programs and outlays from these sources of income: Municipal Funds, Carry-over From FY87 Appropriation, Dog Tax Fund, and Federal Revenue Sharing.

Exclude - and report separately below capital outlays from Additional Aid to Public Libraries, FY87 and/or FY88 LIG and/or MEG and Additional Monies

B1b Additional Aid to Public Libraries (Capital)

Include + Additional Aid to Public Library monies appropriated for library capital programs and outlays. Additional Aid to Public Libraries monies were reported to municipalities on line B.8 of the FY88 Cherry Sheet and informally have been called "supplemental aid" funds.

Exclude - any LIG and MEG monies designated for Capital programs and outlays. Such income should be reported on line B1c and d.

✓ **B1c FY87 and/or FY88 LIG (Capital)**

Include + money if budgeted for capital outlays rather than for operating income and expenditures.

✓ **B1d FY87 and/or FY88 MEG (Capital)**

Include + money if budgeted for capital outlays rather than for operating income and expenditures

B1e Additional Monies (Capital)

Include + Income for capital programs and outlays from these sources of income:
Interest from trusts and endowments
monetary gifts
Other and Miscellaneous sources excluding federal revenue sharing
federal monies excluding federal revenue sharing
state monies other than those received from the Board of Library Commissioners
and the Additional Aid to Public Libraries

p2 Box B1 Add lines B1a-e and place the sum in the box below labeled B1.

✓ p2 C **FY87 TOTAL OPERATING INCOME (no cents) - ACTUAL**

In Section C, for each source of income listed, indicate in the relevant columns the amounts received for operating the library in FY87 (1 July '86 - 30 June '87).

With some exceptions, Section C asks for essentially the same information for FY87 that was requested in Section A for FY88. Section C asks for a report of actual operating income received by the library for operating services in FY87 whereas Section A asked for operating income budgeted for FY88. For FY87, some of the possible income sources various libraries may have had differ from those we have listed for FY88. For the similar income sources, we are not repeating the instructions but ask you to refer back to Section A.

p2 C1 Municipal Funds

Include + same as for Section A

Exclude - essentially same as for Section A, except exclude
- Carry-over from FY86 Appropriation
- FY86 LIG, FY87 LIG and/or FY87 MEG

C2 Carry-over From FY86 Appropriation

Include + same as for Section A, except its carry-over from FY86

C3 FY86 LIG

Include + if reporting under "APPROPRIATED", only the amount of funds authorized by the municipality during FY87 for the library's operating expenses.

Exclude - Additional Aid to Public Libraries and the FY87 LIG and FY87 MEG

C4 Dog Tax Fund

C5 Additional Aid to Public Libraries:

Include + same as for Section A except the monies were on line B.9 of the FY87 Cherry Sheet.

Exclude - same as for Section A except the FY87 LIG monies were on line B.11 of the FY87 Cherry Sheet.

C6 Trusts and Endowments

Include + same as for Section A except these are monies received between 1 July 1986 - 30 June 1987.

Exclude - same as for Section A

C7 Monetary Gifts

Include and Exclude - same as for Section A

C8 Other and Miscellaneous

Include + revenue not specified elsewhere in section C. Such revenue is the same type as noted for Section A

Exclude - receipts retained by the municipality and not authorized for the library's operating expenses; the same types of receipts noted for Section A except report, if any, the LIG, MEG and Additional Aid to Public Libraries monies noted in A3, A9, A10, & A5.

✓ **C9 FY87 LIG**

Include + the FY87 funds, if any, that were received for operating library services during FY87. Based on the budget language funding the grant, we will be considering these funds as "not appropriated". Therefore, **please report such income in the "NOT APPROPRIATED" column even if town meeting took action giving the funds to the library.**

Exclude - here, but report in Section D, any set aside for capital outlays.

✓ **C10 FY87 MEG**

Include + the FY87 funds, if any, that were received for operating library services during FY87. Based on the budget language funding the grant, we will be considering these funds as "not appropriated". Therefore, **please report such income in the "NOT APPROPRIATED" column even if town meeting took action giving the funds to the library.**

Exclude - here, but report in Section D, any set aside for capital outlays.

p2 Box C Add lines C1-8 in the APPROPRIATED column and place the sum in Box C labeled FY87 "Total Appropriated Municipal Income."

p2 D **FY87 CAPITAL PROGRAMS AND OUTLAYS**

Section D asks for the same type of income as noted for Section B, and expenditures data

p2 D1 **INCOME (Capital)**

Include - same types of income as noted for Section A. **Note that any income reported here in section D1 should not be reported in section C.**

D1a Appro Municipal Income (Capital)

Include + same as for Section A except: carry-over is from FY86, and may include FY86 LIG.

Exclude - items listed separately below

D1b Additional Aid to Public Libraries - (CAPITAL)

Include + same as noted for Section A except was on line B.9 of FY87 Cherry Sheet

Exclude - same as for Section A

✓ D1c FY87 LIG (CAPITAL)

Include + if received for capital rather than for operating

✓ D1d FY87 MEG (CAPITAL)

Include + if received for capital rather than for operating

D1e Additional Monies (Capital)

Include + same types of monies as noted for Section A

p2 Box D1 Add lines D1a-e and place the sum in the box below labeled D1.

p2 D2 Expenditures (Capital)

Include + all expenditures and encumbrances for capital programs and outlays taken from the sources of income listed above in D1a-e.

Note that any expenditures reported in section D2 should not be reported in section E.

p2 Box D2 Place the sum of all such expenditures and encumbrances in the box labeled D2.

p3 E FY87 TOTAL OPERATING EXPENDITURES (no cents) - ACTUAL

Include + expenditures and encumbrances from income reported above in C1-10
+ expenditures, defined as the cost of goods delivered or services rendered
+ encumbrances, defined as a contingent liability in the form of purchase orders, contracts, or salary commitments which were not yet paid as of the last day of the fiscal year, but are to be paid out of FY87 Sources of Income. An example of an encumbrance is an order for books not yet received (or paid for) on the last day of the fiscal year, but for which funds are reserved (encumbered) to pay the bill when received. If in doubt as to whether or not a particular purchase order or other commitment is an encumbrance, check with your accountant.

Exclude - expenditures and encumbrances from income reported in D1a-e (Capital Programs and Outlays)

p3 E1 Salaries

Include + expenditures and encumbrances from income reported in C1-10
+ total salaries paid all staff (full-time, part-time, seasonal, substitute, hourly, etc.) holding positions routinely included in the library budget year after year

Exclude - contracted building maintenance services
- salaries paid with federal monies (LSCA, Older Americans Act, etc.) other than federal

- revenue sharing
- salaries paid by other municipal departments or from the State Competitive Grant Program
- pension and fringe benefit expenditures (If either or both are paid from the library's Income, Include the amount expended in "Other Operating Expenditures" Box E3 below.)

p3 Box E1 Place the amount of salary expenditures/encumbrances to the right in Box E1 labeled "Total Salary Expenditures."

p3 E2a1-3 Library Print Materials

- Include**
- + penditures and encumbrances from income reported in C1-10
 - + for books, the amount expended and encumbered for books and other printed materials catalogued or made ready for use (processed) in the same manner as books
 - + separate amounts for periodicals and microforms, if possible

p3 Sub-
total Add lines E2a1-3 and place the total below in the box labeled "Library Print Materials Expenditures subtotal."

p3 E2b Library Non-Print and Additional Materials

- Include**
- + expenditures and encumbrances for income reported in C1-10
 - + audio recordings (LP records, compact disc, and audio cassettes)
 - + 8 and 16mm films if they are part of the library's permanent collection
 - + video recordings (video cassettes and videodiscs) if they are part of the library's permanent collection
 - + other AV materials which require the use of special equipment to be seen or heard
 - + additional non-book library materials which do not require the use of special equipment to be seen or heard, e.g., maps, art prints, globes, vertical file material, and games
 - + microcomputer software

p3 Box E2 Add the amounts reported in the box marked Library Print Materials Expenditures Subtotal and on line E2b (Library Non-Print and Additional Materials) and place the total to the right in Box E2 labeled "Total Materials Expenditures."

p3 E3 Other Operating Expenditures

- Include** expenditures and encumbrances:
- + from income reported in C1-10
 - + for all purposes other than salaries and materials
 - + for items such as the following, for example:
 - maintenance of plant; electricity
 - telephone and telecommunications
 - equipment and film rentals

equipment maintenance contracts
annual network and consortium membership fees
supplies, postage; binding and rebinding
fees for speakers; pension and fringe benefit costs
creation of machine-readable records

Exclude - expenditures and encumbrances from income reported in D1a-e (Capital Programs and Outlays) above

p3 Box E3 Place the amount to the right in Box E3 labeled "Other Operating Expenditures."

p3 Box E Total Operating Expenditures

Add Boxes E1, E2, and E3 and place the total to the right in Box E labeled "Total Operating Expenditures."

HOLDINGS AND CIRCULATION INFORMATION

A & B should be for FY87 (July 1, 1986 and June 30, 1987). If data are for another 12-month period, please give inclusive dates here _____

A. HOLDINGS FOR FY87

1. LIBRARY PRINT MATERIALS

- a. Volumes Owned.....
- b. Volumes of Bound Periodicals.....
- c. Periodical Subscriptions Rec'd.....
- d. Physical Units of Microforms.....

2. LIBRARY NON-PRINT & ADDITIONAL MATERIALS

- a. Audio Recordings.....LP records_____ + compact discs_____ + audio cassettes_____ =
- b. Films 8mm.....
- c. Films 16mm.....
- d. Filmstrips.....
- e. Slide Sets.....
- f. Video Recordings.....videodiscs_____ + video cassettes_____ =
- g. Multi-media Kits.....
- h. Framed Art Prints.....
- i. Other.....

TOTAL A

B. CIRCULATION FOR FY87 (Including Non-Resident)

1. LIBRARY PRINT MATERIALS

- a. Direct Circulation to Users.....
- b. Circulation from other Libraries to Users (ILL).....
- c. Circulation to other Libraries (ILL).....

2. LIBRARY NON-PRINT & ADDITIONAL MATERIALS

- a. Audio Recordings.....LP records_____ + compact discs_____ + audio cassettes_____ =
- b. Films 8mm.....
- c. Films 16mm.....
- d. Filmstrips.....
- e. Slide Sets.....
- f. Video Recordings.....videodiscs_____ + video cassettes_____ =
- g. Multi-media Kits.....
- h. Framed Art Prints.....
- i. Other.....

TOTAL B

C. CIRCULATION (NON-RESIDENT ONLY)

- 1. Number of items of all types circulated to non-residents of the municipality from January 1, 1987 through June 30, 1987 was:_____.
- 2. Total circulation of the library from January 1, 1987 through June 30, 1987 was:_____.
- 3. If revised, number of items of all types circulated to non-residents of the municipality from July 1, 1986 through December 31, 1986 was:_____.

ANNUAL REPORT INFORMATION SURVEY INSTRUCTIONS

PAGE FOUR: HOLDINGS AND CIRCULATION INFORMATION

A1 FY87 HOLDINGS: LIBRARY PRINT MATERIALS

A1a Volumes Owned: Count one for each volume (i.e. physical unit, either hard or soft bound) owned by the library in its catalogued collection of books and related printed materials catalogued or processed in the same manner as books.

A1b Volumes of Bound Periodicals: Count, according to the method used in your library, the number of volumes of hardbound periodicals owned by the library. Report "0" if the library does not own any volumes of bound periodicals.

A1c Periodical Subscriptions Received: Count one for each title, excluding duplicate subscriptions.

A1d Physical Units of Microforms: Count one for each roll of microfilm or each card of microfiche.

A2 FY87 HOLDINGS: LIBRARY NON-PRINT & ADDITIONAL MATERIALS: For each of the media listed, count materials separately by title, including one for each titled part of a series. Because we did not give you notice of new data items, you are not required to break down the counts for audio recordings and video recordings by the formats listed for those media. If, however, you do have counts by those formats readily available and can provide them, the data (or an indication that the format is owned but not counted separately), will be useful for our Non-Print Media Unit. Thank you.

A2a Audio recordings: Please provide a total count of all audio recordings. Include, if available, a separate figure for LP records, compact discs, and audio cassettes.

A2b-c Films 8mm and 16mm: Count only those owned by the library.

A2d-e Filmstrips and Slide Sets: Include sound and silent.

A2f Video Recordings: Please provide a total count of all video recordings. Include, if available, a separate figure for videodiscs and cassettes, either commercially or non-commercially produced.

A2g Multi-Media Kits: A kit is a variety of media formats (usually a minimum of 3) gathered and integrated into a unit such that the varied components overlap and reinforce the value of each other. Count one for each kit title.

A2h Framed Art Prints: Include framed art prints intended for circulation. Do not include individual photographs or clippings.

A2i Other: Include materials not listed individually such as globes, games, puzzles, toys, realia, maps, microcomputer software, vertical file material, etc. Count one for each drawer of vertical file material; for all other items count or estimate one for each title.

Add lines A1a and A2a-h, placing the figure below on the dark line labeled "TOTAL A." Do not include lines A1b-d and A2i in the total.

B1 FY87 CIRCULATION: LIBRARY PRINT MATERIALS

B1a Direct Circulation to Users: Count one for each book or issue of a periodical lent from the collection to users, and one for each renewal, including circulation from bookmobiles operated by the library. Circulation of materials owned by the regional public library systems should also be included in this count.

B1b Circulation from Other Libraries to Users (ILL): Count one for each book or issue of a periodical received from another library's collection and circulated to users, and one for each renewal. This figure should reflect the interlibrary loans received by the library.

B1c Circulation to Other Libraries (ILL): Count one for each book or issue of a periodical loaned to another library, and one for each renewal. This figure should reflect the interlibrary loans sent by the library.

B2 FY87 CIRCULATION: LIBRARY NON-PRINT & ADDITIONAL MATERIALS

B2a-i Count one for each title lent from the library's own collection, or received from the regional public library systems or from another library's collection and lent to users or another library, and one for each renewal. See note re: audio recording and video recording formats in A2 FY87 Holding above.

Add lines B1a-c and B2a-h, placing the figure below on the dark line labeled "TOTAL B." Do not include line B2i in the total.

C. CIRCULATION (NON-RESIDENT ONLY)

This section asks for data concerning direct non-resident circulation and continues a request initially made in January, 1987. Exclude interlibrary loans from responses to questions 1 and 3. Answer question 3 only if you want to revise the figure previously reported to the agency. This is an opportunity for those library directors who have asked to revise, primarily by excluding interlibrary loans, the figure they originally submitted for July 1, 1986 through December 31, 1986 to do so.

If you have any questions, please call the Planning and Research Unit staff at 1-800-952-7403 or 267-9400

Municipal Index to Population Groups

Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group
ABINGTON	IV	BARNSTABLE	V	BOYLSTON	II
ACTON	IV	BARRE	II	BRAINTREE	V
ACUSHNET	III	BECKET	I	BREWSTER	III
ADAMS	IV	BEDFORD	IV	BRIDGEWATER	IV
AGAWAM	V	BELCHERTOWN	III	BRIMFIELD	II
ALFORD	I	BELLINGHAM	IV	BROCKTON	VI
AMESBURY	IV	BELMONT	V	BROOKFIELD	II
AMHERST	V	BERKLEY	II	BROOKLINE	VI
ANDOVER	V	BERLIN	II	BUCKLAND	I
ARLINGTON	V	BERNARDSTON	I	BURLINGTON	IV
ASHBURNHAM	II	BEVERLY	V	CAMBRIDGE	VI
ASHBY	II	BILLERICA	V	CANTON	IV
ASHFIELD	I	BLACKSTONE	III	CARLISLE	II
ASHLAND	IV	BLANDFORD	I	CARVER	III
ATHOL	IV	BOLTON	II	CHARLEMONT	I
ATTLEBORO	V	BOSTON	VII	CHARLTON	III
AUBURN	IV	BOURNE	IV	CHATHAM	III
AVON	II	BOXBOROUGH	II	CHELMSFORD	V
AYER	III	BOXFORD	III	CHELSEA	V

Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group
CHESHIRE	II	DOUGLAS	II	FALMOUTH	V
CHESTER	I	DOVER	II	FITCHBURG	V
CHESTERFIELD	I	DRACUT	IV	FLORIDA	I
CHICOPEE	VI	DUDLEY	III	FOXBOROUGH	IV
CHILMARK	I	DUNSTABLE	I	FRAMINGHAM	VI
CLARKSBURG	I	DUXBURY	IV	FRANKLIN	IV
CLINTON	IV	EAST BRIDGEWATER	IV	FREETOWN	III
COHASSET	III	EAST BROOKFIELD	I	GARDNER	IV
COLRAIN	I	EAST LONGMEADOW	IV	GAY HEAD	I
CONCORD	IV	EASTHAM	II	GEORGETOWN	III
CONWAY	I	EASTHAMPTON	IV	GILL	I
CUMMINGTON	I	EASTON	IV	GLOUCESTER	V
DALTON	III	EDGARTOWN	II	GOSHEN	I
DANVERS	IV	EGREMONT	I	GOSNOLD	I
DARTMOUTH	IV	ERVING	I	GRAFTON	IV
DEDHAM	IV	ESSEX	II	GRANBY	III
DEERFIELD	II	EVERETT	V	GRANVILLE	I
DENNIS	IV	FAIRHAVEN	IV	GREAT BARRINGTON	III
DIGHTON	III	FALL RIVER	VI	GREENFIELD	IV

<u>Municipality</u>	<u>Pop. Group</u>	<u>Municipality</u>	<u>Pop. Group</u>	<u>Municipality</u>	<u>Pop. Group</u>
GROTON	III	HOLDEN	IV	LEOMINSTER	V
GROVELAND	III	HOLLAND	I	LEVERETT	I
HADLEY	II	HOLLISTON	IV	LEXINGTON	V
HALIFAX	III	HOLYOKE	V	LEYDEN	I
HAMILTON	III	HOPEDALE	II	LINCOLN	III
HAMPDEN	II	HOPKINTON	III	LITTLETON	III
HANCOCK	I	HUBBARDSTON	I	LONGMEADOW	IV
HANOVER	IV	HUDSON	IV	LOWELL	VI
HANSON	III	HULL	III	LUDLOW	IV
HARDWICK	II	HUNTINGTON	I	LUNENBURG	III
HARVARD	IV	IPSWICH	IV	LYNN	VI
HARWICH	III	KINGSTON	III	LYNNFIELD	IV
HATFIELD	II	LAKEVILLE	III	MALDEN	VI
HAVERHILL	V	LANCASTER	III	MANCHESTER	III
HAWLEY	I	LANESBOROUGH	II	MANSFIELD	IV
HEATH	I	LAWRENCE	VI	MARBLEHEAD	IV
HINGHAM	IV	LEE	III	MARION	II
HINSDALE	I	LEICESTER	III	MARLBOROUGH	V
HOLBROOK	IV	LENOX	III	MARSHFIELD	IV

Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group
MASHPEE	II	MONSON	III	NORTH ANDOVER	IV
MATTAPOISETT	III	MONTAGUE	III	NORTH ATTLEBOROUGH	IV
MAYNARD	III	MONTEREY	I	NORTH BROOKFIELD	II
MEDFIELD	IV	MONTGOMERY	I	NORTH READING	IV
MEDFORD	VI	MOUNT WASHINGTON	I	NORTHAMPTON	V
MEDWAY	III	NAHANT	II	NORTHBOROUGH	IV
MELROSE	V	NANTUCKET	III	NORTHBRIDGE	IV
MENDON	II	NATICK	V	NORTHFIELD	II
MERRIMAC	II	NEEDHAM	V	NORTON	IV
METHUEN	V	NEW ASHFORD	I	NORWELL	III
MIDDLEBOROUGH	IV	NEW BEDFORD	VI	NORWOOD	V
MIDDLEFIELD	I	NEW BRAINTREE	I	OAK BLUFFS	II
MIDDLETON	II	NEW MARLBOROUGH	I	OAKHAM	I
MILFORD	IV	NEW SALEM	I	ORANGE	III
MILLBURY	IV	NEWBURY	III	ORLEANS	III
MILLIS	III	NEWBURYPORT	IV	OTIS	I
MILLVILLE	I	NEWTON	VI	OXFORD	IV
MILTON	V	NORFOLK	III	PALMER	IV
MONROE	I	NORTH ADAMS	IV	PAXTON	II

Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group
PEABODY	V	REVERE	V	SHEFFIELD	II
PELHAM	I	RICHMOND	I	SHELBURNE	I
PEMBROKE	IV	ROCHESTER	II	SHERBORN	II
PEPPERELL	III	ROCKLAND	IV	SHIRLEY	III
PERU	I	ROCKPORT	III	SHREWSBURY	IV
PETERSHAM	I	ROWE	I	SHUTESBURY	I
PHILLIPSTON	I	ROWLEY	II	SOMERSET	IV
PITTSFIELD	VI	ROYALSTON	I	SOMERVILLE	VI
PLAINFIELD	I	RUSSELL	I	SOUTH HADLEY	IV
PLAINVILLE	III	RUTLAND	II	SOUTHAMPTON	II
PLYMOUTH	V	SALEM	V	SOUTHBOROUGH	III
PLYMPTON	II	SALISBURY	III	SOUTHBRIDGE	IV
PRINCETON	II	SANDSFIELD	I	SOUTHWICK	III
PROVINCETOWN	II	SANDWICH	IV	SPENCER	IV
QUINCY	VI	SAUGUS	V	SPRINGFIELD	VII
RANDOLPH	V	SAVOY	I	STERLING	III
RAYNHAM	III	SCITUATE	IV	STOCKBRIDGE	II
READING	IV	SEEKONK	IV	STONEHAM	IV
REHOBOTH	III	SHARON	IV	STOUGHTON	V

Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group
STOW	III	WAKEFIELD	V	WEST NEWBURY	II
STURBRIDGE	III	WALES	I	WEST SPRINGFIELD	V
SUDBURY	IV	WALPOLE	IV	WEST STOCKBRIDGE	I
SUNDERLAND	II	WALTHAM	VI	WEST TISBURY	I
SUTTON	III	WARE	III	WESTBOROUGH	IV
SWAMPSCOTT	IV	WAREHAM	IV	WESTFIELD	V
SWANSEA	IV	WARREN	II	WESTFORD	IV
TAUNTON	V	WARWICK	I	WESTHAMPTON	I
TEMPLETON	III	WASHINGTON	I	WESTMINSTER	III
TEWKSBURY	IV	WATERTOWN	V	WESTON	IV
TISBURY	II	WAYLAND	IV	WESTPORT	IV
TOLLAND	I	WEBSTER	IV	WESTWOOD	IV
TOPSFIELD	III	WELLESLEY	V	WEYMOUTH	VI
TOWNSEND	III	WELLFLEET	II	WHATELY	I
TRURO	I	WENDELL	I	WHITMAN	IV
TYNGSBOROUGH	III	WENHAM	II	WILBRAHAM	IV
TYRINGHAM	I	WEST BOYLSTON	III	WILLIAMSBURG	II
UPTON	II	WEST BRIDGEWATER	III	WILLIAMSTOWN	III
UXBRIDGE	III	WEST BROOKFIELD	II	WILMINGTON	IV

<u>Municipality</u>	<u>Pop. Group</u>	<u>Municipality</u>	<u>Pop. Group</u>	<u>Municipality</u>	<u>Pop. Group</u>
WINCHENDON	III				
WINCHESTER	IV				
WINDSOR	I				
WINTHROP	IV				
WOBURN	V				
WORCESTER	VII				
WORTHINGTON	I				
WRENTHAM	III				
YARMOUTH	IV				



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DOCUMENTS
COLLECTION

Selected
Public Library
Statistics

**DATA FOR
MASSACHUSETTS FY88**

MAY 1989

MASSACHUSETTS BOARD OF LIBRARY COMMISSIONERS
648 Beacon Street Boston, MA 02215

[illegible]

3

MAY 1989

MASSACHUSETTS BOARD OF LIBRARY COMMISSIONERS
648 Beacon Street Boston, MA 02215

Selected
Public Library
Statistics

**DATA FOR
MASSACHUSETTS FY88**

Prepared with LSCA Title I funds

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Introduction

The report provides per capita and percentage figures reflecting selected FY88 support and activity indicators for responding public libraries. Data were compiled from the FY89 Library Incentive Grant and FY89 Municipal Equalization Grant Application and the Annual Report Information Survey forms.

With few exceptions, financial, collection, and hours open data are for the twelve month period ending June 30, 1988. Thirteen libraries reported holdings and/or circulation data for calendar year 1987. The work week and full-time equivalents (FTE) data are reported as of July 1, 1988.

The report reflects income data for 330 municipalities, 95% of those with public libraries. Expenditure data and hours open data were received from 325 communities. A total of 327 or 94% of the municipalities with libraries supplied holdings, circulation, work week, and staffing data.

For municipalities with more than one independent library receiving public funds, this report reflects the combined levels of library support and activity for all libraries within the community, except for Northampton where the Lilly Library did not submit any work week or staffing data.

ARRANGEMENT OF THE REPORT

The report is arranged in three sections: Summary Tables, Municipal Tables, and the survey forms. Statewide and regional data for selected indicators follow the Introduction. The Usage Notes preceding the Summary Tables contain a formula for calculating percentiles not appearing in the Summary Tables.

Section One: Summary Tables

The summary tables display the mean (average), median, and the 10th, 25th, 75th, and 90th percentile values of nine indicators for population groups I through VI. Because of the small number of municipalities in group VI, the percentiles for this group should be considered estimates only.

Means, medians, and percentiles are superfluous for group VII, the three municipalities with populations in excess of 100,000. Data for these municipalities appear in the municipal tables only.

Section Two: Municipal Tables

Data for individual municipalities are arranged in seven population groups based on the 1986 federal population estimates. See the index to determine in which population group a municipality is listed.

INDICATORS OF LIBRARY SUPPORT & ACTIVITY

In addition to 1986 population estimates, 1986 population rank, and regional system affiliation (Central, Eastern, or Western), the following library data appear in this order in the municipal tables:

- Total Operating Income Per Capita
- Appropriated Municipal Income Per Capita
- Total Operating Expenditures Per Capita
- Salary Expenditures Per Capita and as a Percent of Total Operating Expenditures
- Materials Expenditures Per Capita and as a Percent of Total Operating Expenditures
- Holdings Per Capita
- Circulation Per Capita
- Hours Open in the Winter and Summer
- Hours in the Work Week
- Full-time Equivalents of Staff

The emphasis of the report is municipal data. Therefore, we ask that the state funds received by libraries that contract with the Board of Library Commissioners to provide regional services be omitted from the report.

The following federal and state funds have been included, where relevant, in the report if the library reported them as sources of operating income or expenditures: the Library Incentive Grant, the Municipal Equalization Grant, and the Additional Aid to Public Libraries.

Because all libraries do not have precisely the same sources of income, the **Total Operating Income** data are not comparable in terms of categories of income and access to the income.

The discretion with which trust and/or endowment income may be expended varies widely among libraries depending on the fund restrictions. Some funds, for example, restrict expenditures to materials on a relatively narrow topic. As a result, a library's operating income may appear inflated until selected materials complying with the fund requirements are acquired.

Print and non-print data are combined in the **Holdings** and **Circulation** indicators.

Hours Open, Winter and Summer, displays the number of hours in an average week that the library was open to the public in FY88. Hours for branch libraries are included if they do not overlap main library hours.

Hours in the Work Week, for larger libraries, is the number of hours typically worked per week by a full-time paid staff member; that is, 35 or more. For smaller libraries where no one works 35 hours, the figure is the greatest number of hours worked in a typical week by a paid staff member. Even though it is less than 35 hours and for the purposes of this report is not considered full-time, that work week may be considered full-time by the municipality.

The full-time equivalents (FTE) reflect paid full-time and part-time staff, excluding those paid by state or federally subsidized employment programs. One FTE equals 35 paid staff hours.

LIBRARY INCENTIVE GRANT AND MUNICIPAL EQUALIZATION GRANT PROGRAMS

The compilation of data for this report may not necessarily correspond to the data used to determine compliance with the requirements of the FY89 Library Incentive Grant Program or FY89 Municipal Equalization Grant Program.

STATEWIDE DATA

Statewide data for selected financial and collection indicators are shown for the last three fiscal years with per capita based on the population served by the libraries responding each year.

The agency welcomes your comments and suggestions and examples of how the report is being used.

Special thanks are due to Betty Wei and Sara Speeth of the BLC staff; the report would not have been possible without their continuing efforts.

Mary Litterst
Planning & Research Specialist

Betty Wei
Computer Programmer

Sara Speeth
Planning & Research

John R. Ramsay, Head
Data Analysis & Research Unit

STATISTICS OF PUBLIC LIBRARIES STATEWIDE SUMMARY FOR SELECTED INDICATORS, FY 86-88

(per capita figures in parentheses)

FY ^a	No. of Reptg Libs.	No. of Reptg Muns.	Total Operating Income \$	Appropriated Municipal Income \$	Total Operating Expenditures \$	Salary Expenditures \$	Materials Expenditures \$	Holdings	Circulation	FTE ^f
1986	see footnote b		83,435,131 (14.60)	78,917,786 (13.81)	80,587,387 (14.28)	55,030,976 (9.75)	13,238,022 (2.35)	27,560,842 ^c (4.84)	32,066,913 ^c (5.64)	3832.5 ^c
1987	see footnote b		95,895,976 (16.61)	86,878,548 (15.05)	92,244,387 (16.09)	62,584,812 (10.92)	15,818,793 (2.76)	27,711,286 ^d (4.82)	31,975,447 ^d (5.56)	3985.9 ^d
1988	see footnote b		105,196,059 (18.12)	95,411,511 (16.44)	101,624,046 (17.64)	69,730,286 (12.10)	16,925,579 (2.94)	27,977,472 ^e (4.84)	33,113,039 ^e (5.72)	4081.6 ^e
86-87		% CHANGE	13.77	8.98	12.68	12.00	17.45	-0.41	-1.42	4.00%
87-88		IN	9.10	9.24	9.63	10.07	6.52	0.41	2.88	2.40%
86-88		PER CAPITA FIGURES	24.11	19.04	23.53	24.10	25.11	0.00	1.42	6.50%

Per capita figures are based on the population of municipalities served by responding libraries.

FY86, population (per 1980 census) served by responding libraries for income indicators = 5,712,808
for expenditure indicators = 5,644,946
for holdings and circulation data = 5,689,982
FY87, population (per 1984 estimates) served by responding libraries for income indicators = 5,773,247,
for expenditure indicators = 5,732,683
for holdings and circulation data = 5,747,823
FY88, population (per 1986 estimates) served by responding libraries for income indicators = 5,804,080
for expenditure indicators = 5,762,320
for holdings and circulation data = 5,785,750

a. Fiscal year applies to all indicators except FTE which are reported as of July 1 of each year

b. Reporting financial data;

for FY86: income data, 359 libraries in 332 municipalities; expenditure data, 346 libraries in 320 municipalities. The FY86 income totals for just those respondents who also reported expenditure data are: Total Operating Income \$82,619,296 (\$14.64) and Appropriated Municipal Income \$78,201,707 (\$13.85).

for FY87: income data, 359 libraries in 332 municipalities; expenditure data, 350 libraries in 326 municipalities. The FY87 income totals for just those respondents who also reported expenditure data are: Total Operating Income \$95,599,506 (\$16.56) and Appropriated Municipal Income \$86,641,162 (\$15.01).

for FY88: income data, 352 libraries in 330 municipalities; expenditure data, 347 libraries in 325 municipalities. The FY88 income totals for just those respondents who also reported expenditure data are: Total Operating Income \$104,869,227 (\$18.20) and Appropriated Municipal Income \$95,155,911 (\$16.51)

c. Holdings, circulation, and FTE data based on 354 libraries reporting from 328 municipalities.

d. Holdings, circulation, and FTE data based on 351 libraries reporting from 329 municipalities.

e. Holdings, circulation, and FTE data based on 349 libraries reporting from 327 municipalities.

f. Rate of change calculated on gross figures.

FY88 REGIONAL ADDENDUM

Average Per Capita Figures for All Reporting Municipalities
By Population Group and Regional Affiliation for 7 Indicators of Library Support and Activity

Population Group	I N D I C A T O R S																			
	Total Library Operating Income \$				Appropriated Municipal Operating Income \$				Total Library Operating Expenditures \$				Salary Expenditures \$				Material Expenditures \$			
	C	E	W	Pop Group	C	E	W	Pop Group	C	E	W	Pop Group	C	E	W	Pop Group	C	E	W	Pop Group
I 1-1,999	11.79	32.78	7.41	9.45	6.08	29.00	5.21	6.73	10.70	29.57	7.03	8.81	4.70	18.22	3.45	4.48	2.77	8.91	2.15	2.63
II 2,000-4,999	11.56	19.68	9.72	14.42	9.66	17.72	7.60	12.45	10.96	18.56	9.22	13.67	6.19	11.42	5.07	8.08	2.83	4.37	2.52	3.39
III 5,000-9,999	11.91	14.49	14.06	13.60	10.46	13.12	10.63	11.84	11.55	13.94	13.42	13.14	7.45	8.81	7.87	8.24	2.55	3.05	2.86	2.87
IV 10,000-24,999	16.77	16.88	14.15	16.57	15.24	15.39	12.87	15.10	16.16	16.58	13.81	16.20	10.35	11.35	9.12	10.92	3.19	3.07	2.58	3.04
V 25,000-49,999	17.01	17.82	15.29	17.36	14.86	15.94	12.65	15.35	16.67	17.21	14.66	16.77	11.43	11.62	9.84	11.32	2.50	2.79	2.49	2.73
VI 50,000-99,999	----	15.41	9.18	15.12	----	13.92	7.96	13.64	----	14.66	8.83	14.39	----	10.76	6.69	10.57	----	2.12	1.32	2.08
VII 100,000+	21.11	32.90	29.30	30.18	19.67	31.21	27.95	28.59	20.48	32.71	29.30	29.94	15.23	22.77	20.47	21.03	2.67	4.77	4.29	4.31
REGIONAL/ ALL GROUPS	16.47	18.90	16.38	18.26	14.80	17.27	14.31	16.56	15.65	18.28	15.97	17.64	10.47	12.65	10.63	12.10	2.83	2.98	2.79	2.94

for Income indicators:

C (Central Region) reflects 70 reporting municipalities with a 1986 federal census of 738,050
E (Eastern Region) reflects 176 reporting municipalities with a 1986 federal census of 4,285,690
W (Western Region) reflects 84 reporting municipalities with a 1986 federal census of 780,340

for expenditure indicators:

C (Central Region) reflects 67 reporting municipalities with a 1986 federal census of 720,860
E (Eastern Region) reflects 174 reporting municipalities with a 1986 federal census of 4,261,120
W (Western Region) reflects 84 reporting municipalities with a 1986 federal census of 780,340

FY88 REGIONAL ADDENDUM

Average Per Capita Figures for All Reporting Municipalities
By Population Group and Regional Affiliation for 7 Indicators of Library Support and Activity (cont'd)

Population Group	I N D I C A T O R S							
	Total Holdings				Total Circulation			
	C	E	W	Pop Group	C	E	W	Pop Group
I 1-1,999	9.28	17.78	7.86	8.66	8.22	18.11	6.64	7.55
II 2,000-4,999	5.39	7.09	7.41	6.49	6.09	9.66	7.08	7.77
III 5,000-9,999	3.90	4.31	5.47	4.38	5.78	6.54	5.90	6.19
IV 10,000-24,999	3.66	4.28	3.46	4.08	6.75	7.05	7.46	7.04
V 25,000-49,999	3.93	3.80	4.57	3.93	5.75	6.23	6.22	6.20
VI 50,000-99,999	----	3.77	1.30	3.65	----	4.03	2.99	3.98
VII 100,000+	5.21	11.02	4.84	8.93	4.97	3.17	8.74	4.44
REGIONAL/ ALL GROUPS	4.30	4.97	4.59	4.84	6.00	5.49	6.74	5.72

for holdings and circulation data:

C (Central Region) reflects 70 reporting municipalities with a 1986 federal census of 738,050

E (Eastern Region) reflects 176 reporting municipalities with a 1986 federal census of 4,277,410

W (Western Region) reflects 81 reporting municipalities with a 1986 federal census of 770,290

Usage Notes

The statistical measures applied to each indicator of library support and activity in the Summary Tables are:

The Mean	a measure of central tendency which is commonly termed the "average." It is derived by dividing the sum of all the values in any particular group of data by the number of values included in that total.
Percentile Rank	describes the position of a value in its distribution, indicating the percent of cases in a distribution falling at or below the value of an indicator. For example, the library of a hypothetical municipality has a per capita operating expenditure of \$6.00 and a corresponding percentile rank of 25. This indicates that 25% of the municipalities in the population group have the same or smaller per capita operating expenditure than the sample library.
Median	the popular term for the 50th percentile; is equal to the value of an indicator at or below which 50% of the values fall. The value of the median differs from the value of the mean when the distribution of the values of an indicator is not regular, but rather skewed or piled at either end of the range. When there is considerable difference between the median and the mean, the median is generally thought of as being the more valid measure of central tendency.

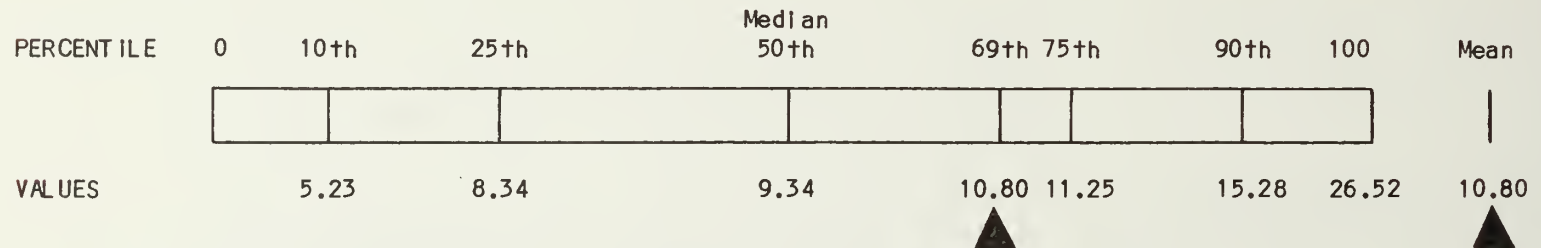
Percentiles are not the most descriptive measures when the number of cases is small, the distribution is skewed, or the range of values is small. This is especially evident in Table G for the 25,000 - 49,999 and 50,000 - 99,999 groups.

Constructed below are hypothetical library situations designed to illustrate how the Summary Tables may be used and how an undisplayed percentile may be calculated.

Calculating an Undisplayed Percentile

In some instances, the value of an indicator may fall between the displayed values of a statistical measure, such as between the median (50th percentile) and the 75th percentile and it is informative to calculate the undisplayed percentile. Following is an example of how this may be done.

Example A: For a library in a hypothetical municipality in the 50,000 to 99,999 population group (group VI), salary expenditures are equal to \$10.80 per capita. From Summary Table D, we see that 10.80 falls between the values of the median (9.34) and the 75th percentile (11.25). We can estimate, based on the data available and using population served as a basis of comparison, that for the library in our hypothetical municipality, salary expenditures per capita are equal to or greater than 69% of the municipalities reporting in this population group.



Undisplayed percentile ranks may be calculated by the shorthand interpolation procedure used to compute the 69th percentile in Example A. This was done by:

- a - Finding the difference between the displayed values falling above (11.25) and below (9.34) our hypothetical value (10.80). The difference is 1.91 salary expenditures dollars per capita.
- b - Finding the difference between our hypothetical value (10.80) and the displayed value falling below it (9.34). The difference is 1.46 salary expenditures dollars per capita.
- c - Determining the ratio of the latter difference to the former difference (1.46 divided by 1.91), which equals .764.
- d - Finding the difference between the displayed percentiles corresponding to the displayed values falling above and below our hypothetical value (10.80). In our example, the difference between the corresponding percentiles (75th and median/50th) is 25 percentile units.
- e - Interpolating the ratio from the values line to the difference between the displayed percentiles. In our example, the ratio is .764 (see c above) and the difference between the percentiles is 25 (see d above). $.764 \times 25 = 19.1$ percentile units.
- f - Adding the interpolated percentile units to the displayed percentile falling below our hypothetical value to arrive at the estimated percentile rank of our hypothetical library. For example, $19.1 + 50 = 69.1 = 69\text{th percentile}$.

It should be noted that this procedure assumes that the size of the intervals between values is constant throughout the distribution. Quite often there is slight variability in their size, so that ranks computed by this method must be considered estimates.

Looking at More than One Statistical Measure

For each indicator it is most useful to review the results of the statistical measures in conjunction with one another. Another look at Summary Table D indicates that the hypothetical library mentioned in Example A has a salary expenditure per capita figure equal to the mean figure (10.80) of the population group.

Therefore, while we may say that salary expenditures per capita are equal to the "average" for this population group, it remains true that for our hypothetical municipality, per capita salary expenditures are greater than or equal to 69% of the reporting municipalities in this population group.

Another illustration of the value of looking at more than one measure follows.

EXAMPLE B: In some cases, percentile values may be used effectively to qualify the minimal information provided by the range of values for an indicator and population group. For example, a library in a hypothetical municipality in the 5,000 to 9,999 population group (group III) could have a total operating expenditure of \$20.45 per capita.

From Summary Table C, we see that 20.45 equals the value of the 90th percentile and falls almost one half of the way between the range (3.07 through 40.68) of total operating expenditure per capita of all reporting libraries in this population group.

PERCENTILE	0	10th	25th	Median 50th	75th	90th	100	Mean
VALUE		4.35	7.93	13.10	17.05	20.45	40.68	13.49

Based on this information, we may say, therefore, that even though the hypothetical library's total operating expenditure per capita is about one-half as much as that of the library with the highest value in the population group (\$40.68), it has a total operating expenditure per capita greater than or equal to that of 90% of the libraries in this population group.

Using Other Bases of Comparison

We urge readers not to restrict themselves to comparisons by population groupings. Other indicators or combination of indicators in the report or from other sources which measure municipal revenue capacity may be used to group similar libraries and to form the basis of comparison among them. From the Municipal Tables in this report, a reader may identify municipalities having similar values for one or more of the support and activity indicators and thereby establish a group of similar libraries, regardless of population served.

Section One: Summary Tables

TABLE A - TOTAL OPERATING INCOME PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	50	1.28 - 61.41	4.34	5.02	7.05	10.12	17.26	11.44
2,000 - 4,999	55	1.79 - 40.97	5.33	8.32	12.36	18.01	25.35	14.15
5,000 - 9,999	70	3.34 - 40.95	5.26	8.11	13.10	17.20	20.92	13.93
10,000 - 24,999	90	6.18 - 45.26	8.03	10.02	15.04	20.39	25.19	16.53
25,000 - 49,999	45	5.73 - 39.15	8.92	12.92	15.67	22.03	28.64	17.96
50,000 - 99,999	17	7.58 - 37.56	8.04	11.49	13.04	17.68	20.93	15.36

TABLE B - APPROPRIATED MUNICIPAL INCOME PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	50	0.79 - 52.01	2.17	2.98	4.84	7.43	10.85	8.39
2,000 - 4,999	55	0.99 - 35.13	3.64	6.24	10.07	16.61	23.41	12.15
5,000 - 9,999	70	2.23 - 39.21	4.13	7.11	10.98	15.85	18.89	12.12
10,000 - 24,999	90	0.58 - 37.24	6.39	9.00	14.26	19.26	23.98	15.10
25,000 - 49,999	45	2.05 - 34.23	7.42	11.03	14.28	20.28	26.51	16.01
50,000 - 99,999	17	6.37 - 35.61	7.12	10.20	11.48	15.41	19.90	13.89

TABLE C - TOTAL OPERATING EXPENDITURES PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	50	1.75 - 55.13	4.08	4.63	6.41	10.41	13.97	10.68
2,000 - 4,999	54	2.21 - 40.97	5.08	7.72	11.51	17.77	22.68	13.51
5,000 - 9,999	68	3.07 - 40.68	4.35	7.93	13.10	17.05	20.45	13.49
10,000 - 24,999	88	5.99 - 42.42	7.70	10.08	15.19	19.72	24.20	16.22
25,000 - 49,999	45	4.60 - 39.15	8.12	12.25	15.17	21.45	27.93	17.36
50,000 - 99,999	17	7.39 - 37.03	7.50	10.92	12.44	15.43	20.88	14.70

TABLE D - SALARY EXPENDITURES PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	50	0.00 - 38.09	1.13	2.19	3.33	5.50	7.86	5.52
2,000 - 4,999	54	1.12 - 24.68	2.33	4.36	6.69	10.54	13.77	7.97
5,000 - 9,999	68	0.96 - 27.72	2.94	4.82	7.97	10.65	14.02	8.44
10,000 - 24,999	88	3.26 - 28.10	4.97	6.92	10.30	13.46	16.56	10.88
25,000 - 49,999	45	3.29 - 25.96	5.77	8.28	10.18	14.88	18.57	11.74
50,000 - 99,999	17	4.82 - 26.52	5.23	8.34	9.34	11.25	15.28	10.80

TABLE E - SALARY EXPENDITURES AS PERCENT (%) OF TOTAL OPERATING EXPENDITURES

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	50	0 - 76	23	41	48	60	67	48
2,000 - 4,999	54	34 - 74	43	52	58	63	69	57
5,000 - 9,999	68	31 - 76	52	58	63	67	69	62
10,000 - 24,999	88	47 - 80	59	62	67	70	74	67
25,000 - 49,999	45	49 - 79	58	65	68	72	74	68
50,000 - 99,999	17	65 - 79	67	71	74	77	79	74

TABLE F - MATERIALS EXPENDITURES PER CAPITA (\$)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	50	0.52 - 22.65	1.03	1.54	2.24	3.29	5.30	3.29
2,000 - 4,999	54	0.55 - 9.88	1.36	2.03	2.91	4.32	5.75	3.39
5,000 - 9,999	68	0.66 - 7.57	1.08	1.65	2.76	3.69	4.82	2.95
10,000 - 24,999	88	1.20 - 8.10	1.62	2.14	2.98	3.70	4.61	3.07
25,000 - 49,999	45	0.66 - 6.01	1.38	1.86	2.63	3.66	4.11	2.81
50,000 - 99,999	17	1.31 - 6.31	1.31	1.49	1.77	2.08	2.77	2.14

TABLE G - MATERIALS EXPENDITURES AS PERCENT (%) OF TOTAL OPERATING EXPENDITURES

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	50	20 - 77	20	22	30	38	50	33
2,000 - 4,999	54	18 - 48	21	22	25	27	33	26
5,000 - 9,999	68	16 - 35	19	20	21	24	27	22
10,000 - 24,999	88	14 - 39	16	17	19	21	24	20
25,000 - 49,999	45	13 - 26	14	15	16	17	20	16
50,000 - 99,999	17	12 - 25	12	13	14	15	17	15

TABLE H - HOLDINGS PER CAPITA

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	49	2.53 - 79.43	3.81	4.98	7.37	12.35	18.20	11.10
2,000 - 4,999	53	2.36 - 23.50	3.45	4.53	5.49	7.79	10.37	6.69
5,000 - 9,999	71	1.18 - 10.74	2.17	2.93	3.85	5.67	7.01	4.48
10,000 - 24,999	89	1.39 - 13.68	2.28	2.85	3.83	4.80	6.27	4.11
25,000 - 49,999	45	0.79 - 12.05	1.63	2.74	3.82	4.81	6.03	4.05
50,000 - 99,999	17	1.30 - 7.55	2.08	2.77	3.31	4.21	4.77	3.64

TABLE I - CIRCULATION PER CAPITA

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	49	2.65 - 40.77	3.22	4.48	6.83	9.40	13.39	8.83
2,000 - 4,999	53	1.62 - 25.97	3.33	4.83	6.52	8.74	13.32	7.86
5,000 - 9,999	71	1.30 - 17.36	2.51	3.89	6.07	8.38	10.41	6.32
10,000 - 24,999	89	2.38 - 15.27	3.78	4.37	6.37	8.84	12.00	7.07
25,000 - 49,999	45	0.92 - 19.22	2.75	4.06	6.14	7.57	10.82	6.50
50,000 - 99,999	17	1.67 - 9.06	1.88	2.21	3.18	4.60	7.42	4.06

Section Two: Data for Individual Municipalities

Population Group I
(1-1,999)

POPULATION GROUP 1 (1 - 1,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. ALFORD	400	342	W													
2. ASHFIELD	1,530	297	W	10.00	3.92	10.76	5.41	50	2.25	21	6.92	8.29	15	15	23	1.1
3. BECKET	1,610	295	W	5.00	2.80	4.08	0.00	0	1.55	38	13.74	6.55	12	14	0.0	0.0
4. BERNARDSTON	1,790	289	W													
5. BLANDFORD	1,160	316	W	10.23	8.72	9.70	5.19	54	2.46	25	7.34	12.55	21	21	21	0.9
6. BUCKLAND	1,890	286	W	7.69	5.49	7.46	2.13	29	4.51	60	5.96	4.84	12.5	12.5	15	0.4
7. CHARLEMONT	1,210	315	W	4.65	2.15	4.23	3.22	76	0.91	22	9.92	7.11	11	10.5	15	0.4
8. CHESTER	1,220	313	W	8.19	2.94	8.36	5.58	67	1.76	21	8.11	9.07	15	15	20	0.7
9. CHESTERFIELD	1,210	314	W	7.15	5.34	6.41	2.79	43	2.74	43	5.13	5.63	15	15	16	0.5
10. CHILMARK	620	335	E	61.41	52.01	55.13	38.09	69	15.54	28	36.79	38.81	21	23	28.5	2.1
11. CLARKSBURG	1,790	288	W	6.61	4.59	5.84	3.09	53	2.53	43	4.74	9.51	29	16	20	0.6
12. COLRAIN	1,670	292	W	6.92	5.05	6.02	2.80	46	2.30	38	4.98	6.37	15	15	15	0.6
13. CONWAY	1,400	300	W													
14. CUMMINGTON	800	327	W	5.03	2.86	5.03	0.09	2	2.23	44	12.43	6.04	10	10	20	0.6
15. EAST BROOKFIELD	1,860	287	C	9.72	7.98	8.65	6.04	70	1.88	22	6.05	10.21	30	30	30	0.9
16. EGREMONT	1,310	308	W	4.34	3.17	4.34	2.89	67	1.36	31	6.55	2.88	13	13	13	0.4
17. ERVING	1,420	299	W	6.41	5.40	6.41	2.42	38	3.84	60	16.02	5.38	10	10	6	0.3
18. FLORIDA	690	332	W	4.63	2.17	3.88	0.90	23	2.98	77	3.49	7.94	12	2	12	0.3
19. GAY HEAD	220	347	E	51.47	45.09	44.88	20.91	47	22.65	50	27.69	17.90	10	10	10	0.3
20. GILL	1,300	309	W													
21. GOSHEN	760	329	W	6.20	2.28	5.86	3.49	60	2.24	38	7.96	8.68	10	10	10	0.3
22. GOSNOLD	50	351	E													
23. GRANVILLE	1,360	303	W	11.86	10.85	10.05	4.08	41	2.55	25			17	13		
24. HANCOCK	600	338	W													
25. HAWLEY	370	345	W													
							Does not have a public library.									
26. HEATH	580	339	W	12.01	9.23	12.01	7.73	64	3.62	30	26.65	24.38	11	11	20	0.7

POPULATION GROUP I (1 - 1,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
27. HINSDALE	1,780	291	W	6.94	4.04	6.94	3.69	53	1.54	22	2.53	3.54	16	16	12	0.6
28. HOLLAND	1,780	290	W	3.43	2.32	3.12	1.13	36	1.16	37	3.39	7.59	11	11	11	0.3
29. HUNTINGTON	1,930	285	W	6.58	5.63	5.96	2.79	47	1.29	22	4.84	4.30	13	13	13	0.9
30. LEVERETT	1,560	296	W	4.24	3.02	3.89	2.53	65	1.15	30	4.54	2.65	21	15	18	0.7
31. LEYDEN	620	334	W	7.14	4.84	7.54	4.29	57	1.73	23	8.50	7.86	10	10	10	0.3
32. MIDDLEFIELD	430	341	W	4.51	1.12	4.41	1.51	34	2.79	63	12.10	7.40	11	7	10	0.4
33. MONROE	140	349	W													
34. MONTEREY	970	322	W	17.26	15.79	13.97	8.65	62	3.14	22	6.59	5.34	11	11	18	0.6
35. MONTGOMERY	690	331	W				Has no year-round public library.									
36. MOUNT WASHINGTON	100	350	W								14.80	5.00			2	0.1
37. NEW ASHFORD	140	348	W				Does not have a public library.									
38. NEW BRAintree	700	330	C	8.02	5.71	8.02	1.43	18	4.62	58	7.96	12.89	11.5	10	15	0.4
39. NEW MARLBOROUGH	1,330	306	W	4.85	3.71	4.85	2.26	47	0.97	20			11	15		
40. NEW SALEM	880	323	W	7.00	4.57	6.40	2.65	41	1.93	30	10.11	6.14	16	16	11	0.6
41. OAKHAM	1,270	310	C	9.39	7.78	9.39	5.31	57	2.26	24	13.04	8.10	17	14.5	17	0.8
42. OTIS	980	321	W													
43. PELHAM	1,360	302	W	4.38	2.66	4.24	1.95	46	2.01	47	7.14	2.65	10	10	12	0.3
44. PERU	810	326	W	1.28	0.80	1.75	0.00	0	0.52	30	4.99	3.25	10	10	0.0	0.0
45. PETERSHAM	1,000	320	C	31.65	3.13	28.68	7.86	27	6.35	22	18.02	9.52	23.5	23.5	13.5	1.0
46. PHILLIPSTON	1,080	318	C	4.67	2.78	4.42	1.85	42	1.64	37	7.43	4.70	10	10	10	0.3
47. PLAINFIELD	460	340	W	11.78	8.28	11.11	6.32	57	3.75	34	19.77	9.92	11	11	15	0.4
48. RICHMOND	1,640	293	W	5.48	4.09	5.15	3.29	64	1.03	20	3.85	4.37	11	11	11	0.4
49. ROWE	380	344	W	53.81	50.51	53.24	31.37	59	10.65	20	79.43	40.77	15	15	15	0.8
50. ROYAL STON	1,060	319	C	9.32	7.08	7.08	3.73	53	1.48	21	4.95	4.17	15	15	15	0.4
51. RUSSELL	1,620	294	W	7.05	5.84	6.34	3.33	53	2.11	33	3.47	4.46	21.5	21.5	10.5	0.8
52. SANDSFIELD	810	325	W	6.05	4.35	6.05	4.20	69	1.54	26	5.15	4.42	14	14	12	0.4

POPULATION GROUP I (1 - 1,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
53. SAVOY	770	328	W													
54. SHUTESBURY	1,240	312	W	4.15	0.79	4.14	1.85	45	1.32	32	3.85	2.99	13	10	10	0.3
55. TOLLAND	260	346	W													
56. TRURO	1,380	301	E	13.97	10.67	13.54	5.61	41	5.30	39	11.81	8.57	14	26	19	0.5
57. TYRINGHAM	380	343	W													
58. WALES	1,460	298	W	6.50	4.46	4.41	1.99	45	0.88	20	5.60	4.53	12	12	15	0.4
59. WARWICK	600	337	W	12.52	6.42	11.29	5.37	48	3.43	30	14.86	11.33	10	10	10	0.3
60. WASHINGTON	610	336	W			Does not have a public library.										
61. WENDELL	810	324	W	8.03	5.82	10.78	3.45	32	3.59	33	11.44	3.55	10	10	8	0.4
62. WEST STOCKBRIDGE	1,310	307	W	5.15	3.44	5.16	2.98	58	1.83	35	4.43	5.15	14	14	17	0.5
63. WEST TISBURY	1,250	311	E	36.06	35.00	31.89	21.81	68	7.19	23	13.19	18.41	20	20	20	1.8
64. WESTHAMPTON	1,340	305	W	9.96	7.01	9.89	4.29	43	2.78	28	7.05	7.30	16	16	18	0.7
65. WHATELY	1,340	304	W	11.50	10.57	11.50	5.75	50	2.54	22	11.14	10.98	16	16	20	1.0
66. WINDSOR	620	333	W													
67. WORTHINGTON	1,150	317	W	9.86	5.04	9.86	5.87	60	1.97	20	7.39	8.58	15	11	15	0.4

Population Group II
(2,000 -4,999)

POPULATION GROUP 11 (2,000 - 4,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDS P C	CIRC P C	HOURS W IN	OPEN SUM	HRS IN WORK WEEK	FTE
1. ASHBURNHAM	4,930	228	C	16.46	12.36	15.22	8.05	53	3.50	23	5.48	5.66	49	49	40	3.9
2. ASHBY	2,730	270	C	4.82	3.74	4.16	1.61	39	1.99	48	8.06	3.50	15	16	15	0.4
3. AVON	4,790	231	E	22.47	21.61	20.99	12.44	59	4.33	21	7.44	5.34	49	42.5	35	2.7
4. BARRE	4,380	238	C	14.65	10.29	14.24	7.92	56	3.70	26	5.50	3.93	25	25	35	2.0
5. BERKLEY	3,630	253	E	6.56	5.51	6.55	3.78	58	1.18	18	3.44	3.38	31	15	22.5	1.4
6. BERLIN	2,220	280	C	10.40	9.39	10.40	7.11	68	2.60	25	4.51	7.06	22	20	20	1.5
7. BOLTON	2,940	266	C	10.26	10.26	10.26	5.96	58	2.73	27	4.83	3.71	17	17	25	1.5
8. BOXBOROUGH	3,060	263	C	12.27	11.45	10.66	6.69	63	2.93	27	7.13	8.81	27	23	20	1.6
9. BOYLSTON	3,530	254	C	20.86	19.28	20.25	12.59	62	4.77	24	5.91	7.66	31.5	31.5	35	3.1
10. BRIMFIELD	2,680	271	C	6.36	5.76						5.19	6.86			20	1.5
11. BROOKFIELD	2,730	269	C	9.06	7.19	8.60	4.16	48	2.91	34	5.34	5.47	21	21	21	0.9
12. CARLISLE	4,060	246	E	25.48	22.99	23.18	16.38	71	5.55	24	7.31	19.28	58	58	37	4.0
13. CHESHIRE	3,340	259	W	1.79	1.15	2.21	1.12	51	0.55	25			15	15		
14. DEERFIELD	4,700	233	W	10.61	9.02	9.24	4.78	52	2.76	30	7.83	7.83	26	26	20	1.9
15. DOUGLAS	4,590	236	C	10.58	9.53	9.53	6.53	69	2.07	22	3.15	3.16	24	21	27	2.4
16. DOVER	4,830	230	E	20.86	16.50	20.61	10.95	53	6.01	29	8.41	7.25	50	36	35	3.5
17. DUNSTABLE	2,080	281	E	12.71	9.93	11.68	7.43	64	3.53	30	9.21	6.83	20	20	18.5	1.2
18. EASTHAM	4,280	239	E	17.43	16.93	16.51	11.37	69	3.33	20	4.65	11.46	32	40	35	3.0
19. EDGARTOWN	2,990	264	E	40.97	35.13	40.97	24.42	60	9.88	24	10.45	12.14	28	28	26.5	3.7
20. ESSEX	2,960	265	E	8.02	5.95	7.85	5.10	65	1.74	22	4.49	5.67	27	22	27	1.1
21. HADLEY	4,120	245	W	8.95	7.42	7.31	4.14	57	1.58	22			35	35		
22. HAMPDEN	4,650	235	W	8.80	7.46	8.87	5.46	62	2.11	24	3.48	6.62	30	25	26	2.4
23. HARDWICK	2,300	278	W	6.65	3.42	6.63	2.61	39	1.53	23	6.43	3.36	18.5	20.5	15	0.7
24. HATFIELD	3,140	262	W	7.29	6.24	7.06	3.25	46	2.23	32	8.50	5.59	15	8	20	1.0
25. HOPEDALE	3,980	248	C	21.14	19.29	19.19	10.13	53	5.13	27	7.89	9.94	30	22	30	3.2
26. HUBBARDSTON	2,010	284	C	9.75	8.61	6.57	2.83	43	2.26	34	5.01	4.14	21	14	21	0.8

POPULATION GROUP 11 (2,000 - 4,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERL S \$ PER CAP	EXP % TOT EXP	HL DGS P C	CIRC P C	HOURS W IN	OPEN SUM	HRS IN WORK WEEK	FTE
27. LANESBOROUGH	3,170	261	W	3.22	2.10	2.62	1.90	73	0.68	26	3.15	3.32	15	15	15	0.6
28. MARION	4,170	244	E	17.53	12.01	15.47	8.91	58	4.20	27	7.02	11.33	38.5	38.5	28.5	2.5
29. MENDON	3,490	256	C	5.18	4.19	4.82	2.14	44	1.72	36	7.28	1.62	19	15	8	0.8
30. MERRIMAC	4,870	229	E	13.70	12.21	12.54	8.98	72	2.77	22	4.86	5.75	41	41	40	3.3
31. MIDDLETON	4,710	232	E	20.43	19.71	20.41	12.97	64	4.31	21	3.63	5.99	50	30	34	5.0
32. MILLVILLE	2,010	283	C	5.47	5.47	5.47	2.62	48	1.09	20	2.36	2.44	15	14	15	0.5
33. NAHANT	3,940	249	E	25.51	24.66	23.30	13.85	59	4.81	21	19.13	12.34	35	51	40	3.9
34. NORTH BROOKFIELD	4,270	241	C	7.67	7.37	7.67	3.96	52	1.67	22	4.97	5.75	30	30	24	1.7
35. NORTHFIELD	2,410	274	W	19.44	18.24	19.03	11.48	60	4.63	24	12.22	13.74	31	31	40	2.7
36. OAK BLUFFS	2,340	277	E	16.02	15.83	15.56	11.49	74	3.29	21	5.34	5.05	21	33	20	2.1
37. PAXTON	3,830	251	C	13.49	10.83	12.63	7.34	58	3.31	26	5.02	8.39	34	20	35	2.2
38. FLYMPTON	2,290	279	E	12.45	11.51	12.48	7.83	63	3.56	29	5.53	6.04	28	28	30	1.5
39. PRINCETON	2,900	268	C	11.17	9.29	11.36	5.53	49	2.76	24	4.67	10.15	26	20	26	1.9
40. PROVINCETOWN	3,500	255	E	31.40	29.53	30.06	17.67	59	5.88	20	3.86	6.42	45	45	40	4.6
41. ROCHESTER	3,980	247	E	4.46	3.54	3.83	1.34	35	1.24	32	2.91	1.80	15		17	0.6
42. ROWLEY	4,250	243	E	11.61	10.78	11.08	6.24	56	2.88	26	6.01	3.92	23	23	27.5	2.4
43. RUTLAND	4,670	234	C	13.53	10.21	11.51	7.41	64	2.52	22	3.57	7.83	36.5	33	30	2.6
44. SHEFFIELD	2,660	272	W	15.83	14.96	15.69	10.13	65	3.72	24	11.43	6.83	27	27	40	1.8
45. SHELBURNE	2,020	282	W	15.04	6.22	16.16	5.55	34	7.00	43	23.50	14.15	18	18	20	1.3
46. SHERBORN	4,260	242	E	25.21	23.83	19.68	10.13	51	5.23	27	10.18	8.51	56	43	40	5.8
47. SOUTHAMPTON	4,450	237	W	11.42	9.60	10.50	5.98	57	2.75	26	4.60	6.71	28	18	22	2.3
48. STOCKBRIDGE	2,340	276	W													
49. SUNDERLAND	2,930	267	W	13.01	11.93	12.04	6.74	56	3.89	32	3.72	4.79	24	24	40	1.5
50. TISBURY	3,480	257	E													
51. UPTON	4,270	240	C	8.06	6.83	7.77	4.91	63	2.62	34	7.23	4.97	42	42	40	1.9
52. WARREN	3,880	250	C	12.55	9.51	12.12	5.98	49	3.05	25	4.35	5.55	26.5	29	35	1.7

POPULATION GROUP II (2,000 - 4,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDS P C	CIRC P C	HOURS W IN	OPEN SUM	HRS IN WORK WEEK	FTE
53. WELLFLEET	2,390	275	E	33.95	30.78	33.95	24.68	73	7.55	22	10.74	24.60	33	33	35	3.8
54. WENHAM	3,810	252	E	26.18	24.15	25.01	14.89	60	6.15	25	8.31	19.80	40	36	32.5	4.1
55. WEST BROOKFIELD	3,390	258	C	8.40	5.22	7.68	4.55	59	1.67	22	5.31	10.17	24	24	20	1.4
56. WEST NEWBURY	3,330	260	E	22.24	20.12	21.92	13.65	62	5.42	25	7.66	25.97	40	32	40	3.3
57. WILLIAMSBURG	2,490	273	W	8.62	0.99	8.20	4.71	57	1.68	21	6.27	8.05	34.5	34.5	21	1.2

Population Group III
(5,000 - 9,999)

POPULATION GROUP III (5,000 - 9,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. AQUISHNET	9,070	166	E	3.34	2.86	3.36	2.20	66	0.66	20	2.22	2.09	25	22	20	1.7
2. AYER	6,780	198	C	13.10	11.85	13.10	7.59	58	3.24	25	3.03	3.90	45	45	40	3.7
3. BELCHERTOWN	9,670	159	W	5.12	4.13	4.13	2.41	58	0.81	20	2.90	2.84	29	29	38	2.7
4. BLACKSTONE	7,120	195	C	5.80	4.60	4.36	3.28	75	1.07	25	2.90	1.30	28.5	26	32.5	1.8
5. BOXFORD	6,220	208	E	19.38	18.44	18.56	11.86	64	3.56	19	6.22	8.18	58	58	40	6.6
6. BREWSTER	7,050	196	E	20.40	16.97	16.90	10.65	63	3.59	21	3.84	9.52	34	29	35	5.0
7. CHARLTON	8,110	176	C	5.26	3.64	4.31	2.92	68	1.08	25	1.42	3.96	39	31	23	2.5
8. CHATHAM	6,430	205	E	16.24	8.79	17.80	8.53	48	4.80	27	6.53	13.79	34	34	35	4.3
9. COHASSET	7,290	189	E	30.88	29.06	30.15	21.22	70	6.71	22	7.18	10.88	53	50	35	7.9
10. DALTON	6,510	204	W	13.66	12.51	13.27	8.36	63	2.87	22	5.08	8.46	41.5	41.5	40	4.2
11. DIGHTON	5,420	224	E								3.28	2.66			15	0.9
12. DUDLEY	8,840	170	C	8.58	7.35	8.68	4.68	54	2.73	31	3.86	5.65	51	48	40	3.5
13. FREETOWN	8,020	178	E	3.62	2.39	3.32	1.69	51	1.07	32	2.57	2.50	28	28	12	1.2
14. GEORGETOWN	6,010	215	E	15.46	14.42	14.60	8.52	58	3.66	25	6.32	8.35	33.5	29.5	33.5	4.4
15. GRANBY	5,550	221	W	7.60	6.97	7.60	5.28	69	1.45	19	3.19	3.93	29.5	25.5	37	2.4
16. GREAT BARRINGTON	7,280	190	W	19.85	17.60	17.86	9.37	52	3.72	21	10.74	8.72	49	48.5	40	6.1
17. GROTON	7,030	197	C	17.01	16.18	16.94	11.90	70	3.20	19	6.44	6.75	35	25	30	4.7
18. GROVELAND	5,080	227	E	9.78	7.42	9.78	6.23	64	2.66	27	4.47	6.75	28.5	25.5	28	2.4
19. HALIFAX	6,230	207	E	12.84	11.59	12.42	8.09	65	2.53	20	3.77	5.23	46	46	40	3.6
20. HAMILTON	7,140	194	E	19.72	18.89	19.73	12.28	62	4.92	25	5.62	8.83	50	38	40	5.6
21. HANSON	9,010	167	E	6.02	5.51	5.51	4.17	76	1.20	22	2.92	2.85	40	34	35	2.8
22. HARWICH	9,860	157	E	13.07	10.48	12.19	7.02	58	2.68	22	7.04	9.32	46	48	35	5.7
23. HOPKINTON	8,460	174	C	15.05	12.44						3.74	8.94			35	5.2
24. HULL	9,630	161	E	12.82	10.93	11.89	7.97	67	2.26	19	2.93	3.34	52	48	35	4.6
25. KINGSTON	8,200	175	E	16.21	15.36	14.85	8.93	60	3.69	25	5.16	7.10	37.5	35	35	4.9
26. LAKEVILLE	7,350	186	E	6.96	6.09	6.27	3.55	57	1.56	25	2.10	2.60	32	32	24	2.7

POPULATION GROUP III (5,000 - 9,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERL S \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
27. LANCASTER	6,160	209	C	21.33	17.25	21.99	11.75	53	4.41	20	6.68	6.60	47	44	40	5.0
28. LEE	6,030	214	W	19.30	16.34	18.18	9.51	52	3.68	20	8.44	6.84	38	38	35	3.9
29. LEICESTER	9,680	158	C	6.65	5.55	6.27	3.97	63	1.38	22	1.91	2.61	35	28	32	3.3
30. LENOX	6,550	202	W	29.28	6.22	26.97	15.78	59	5.01	19	10.40	8.96	38	42	35	7.8
31. LINCOLN	7,710	183	E	40.95	39.21	40.68	27.72	68	7.57	19	8.92	10.44	59.5	52.5	37.5	11.9
32. LITTLETON	7,170	193	C	16.85	15.52	16.83	11.18	66	4.05	24	6.97	10.64	49	49	35	6.2
33. LUNENBURG	8,850	169	C	11.60	10.98	11.32	7.45	66	2.68	24	3.39	6.18	38	34	37.5	4.9
34. MANCHESTER	5,260	226	E	20.92	20.24	19.84	13.41	68	3.84	19	9.33	10.18	45	39	37.5	4.2
35. MASHPEE	5,940	217	E	11.24	10.77	11.10	6.60	59	1.94	18	2.16	5.51	34	34	30	2.5
36. MATTAPOISETT	5,850	218	E	9.94	9.54	9.94	6.26	63	2.10	21	3.11	5.24	28	28	35	3.4
37. MAYNARD	9,900	156	E	11.11	10.14	11.05	7.55	68	2.10	19	3.85	3.09	35	35	35	4.5
38. MEDWAY	9,360	164	E	13.46	13.35	13.34	9.19	69	2.13	16	3.89	7.51	47	40	40	5.7
39. MILLIS	7,250	192	E	11.93	10.51	10.72	7.26	68	2.42	23	5.83	7.38	42	37	35	3.9
40. MONSON	7,670	184	W	12.77	10.09	12.30	7.66	62	2.77	22	3.77	2.68	51	44	35	3.8
41. MONTAGUE	7,980	179	W	16.26	14.83	14.83	9.94	67	2.95	20	7.01	6.18	38.5	34.5	35	5.1
42. NANTUCKET	6,000	216	E													
43. NEWBURY	5,360	225	E	14.93	14.07	14.06	8.92	63	2.92	21	2.25	3.84	33	30	32.8	3.4
44. NORFOLK	7,930	180	E	16.68	15.28	15.71	8.84	56	3.90	25	2.71	9.02	48	44	35	5.9
45. NORWELL	9,240	165	E	25.77	24.71	25.20	15.73	62	6.03	24	4.49	7.22	51	44	37.5	8.1
46. ORANGE	7,300	188	W	14.57	12.29	13.56	8.24	61	3.43	25	5.03	5.00	41.5	41.5	35	4.2
47. ORLEANS	6,050	212	E	28.94	26.83	28.94	19.08	66	5.93	20	4.78	17.36	43	36	40	7.7
48. PEPPERELL	9,630	160	C	17.19	16.19	17.05	11.08	65	3.24	19	3.24	6.97	40	37	40	6.5
49. PLAINVILLE	6,080	210	E	5.73	4.82	3.76	1.95	52	1.29	34	1.92	1.49	29	29	22.5	1.3
50. RAYNHAM	9,510	162	E	4.89	3.32	4.96	2.95	60	1.01	20	2.94	3.85	38	24	22	2.5
51. REHOBOTH	8,490	173	E	3.35	2.23	3.07	0.96	31	0.69	22	1.18	1.51	25	16	20	1.8
52. ROCKPORT	6,690	199	E	19.29	18.55	19.29	14.70	76	3.66	19	6.47	11.45	40	40	35	6.2

POPULATION GROUP III (5,000 - 9,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERL S \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
53. SALISBURY	7,270	191	E	7.25	7.25	7.38	4.82	65	1.48	20	3.65	5.65	43	43	35	2.9
54. SHIRLEY	5,550	220	C	7.58	6.41	6.44	4.14	64	1.36	21	4.76	2.28	27	27	26	1.9
55. SOUTHBOROUGH	6,420	206	C	19.30	19.06	19.30	13.91	72	3.96	21	6.75	11.33	48	41	40	5.2
56. SOUTHWICK	7,920	181	W	8.57	6.83	8.33	4.75	57	2.66	32	2.29	4.69	37	33	35	3.0
57. STERLING	6,550	201	C	14.23	12.91	13.17	8.81	67	2.96	23	3.50	7.56	40	40	40	3.9
58. STOW	5,470	223	E	17.21	12.43	16.56	7.29	44	4.57	28	5.61	8.50	42	38	35	3.1
59. STURBRIDGE	7,310	187	C	9.07	7.53	8.23	5.42	66	1.57	19	2.50	5.23	48	48	40	3.5
60. SUTTON	6,590	200	C	6.11	4.89	5.35	2.98	56	1.86	35	3.19	4.43	29	29	25	2.3
61. TEMPLETON	6,050	211	C	3.92	3.39						2.01	2.15			15	1.3
62. TOPSFIELD	5,550	219	E	26.96	25.96	25.86	14.45	56	5.55	21	6.96	11.88	49	44	37.5	6.1
63. TOWNSEND	8,600	171	C	7.65	7.65	7.42	4.59	62	1.64	22	2.98	6.74	32	25	32	3.0
64. TYNGSBOROUGH	7,640	185	E	8.58	7.54	7.93	5.56	70	1.73	22	2.48	4.81	45	32	35	3.2
65. UXBRIDGE	8,950	168	C	13.37	10.52	12.57	8.45	67	2.71	22	4.94	6.29	30	30	35	5.9
66. WARE	9,430	163	W	12.33	8.02	14.20	7.10	50	2.72	19	4.80	5.67	33	33	35	4.0
67. WEST BOYLSTON	6,040	213	C	20.77	18.45	20.07	13.45	67	4.22	21	5.41	6.76	35.5	29	35	5.7
68. WEST BRIDGEWATER	6,520	203	E	17.69	17.69	17.69	11.21	63	4.14	23	4.96	4.36	44	44	35	5.2
69. WESTMINSTER	5,480	222	C	15.49	13.68	14.34	9.29	65	2.99	21	4.72	5.96	41	35	35	3.4
70. WILLIAMSTOWN	8,090	177	W	14.07	14.07	13.70	8.59	63	2.94	21	3.85	8.20	43	40	37.5	5.1
71. WINCHENDON	7,710	182	C	9.87	7.48	8.60	5.60	65	1.65	19	3.70	4.53	35	35	37	3.0
72. WRENTHAM	8,590	172	E	12.39	11.46	11.46	7.25	63	2.76	24	3.10	5.47	48.5	44.5	35	3.9

Population Group IV
(10,000-24,999)

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERL S \$ PER CAP	EXP % TOT EXP	HLDS P C	CIRC P C	HOURS W IN	OPEN SUM	HRS IN WORK WEEK	FTE
1. ABINGTON	13,630	123	E	11.67	10.37	11.20	7.82	70	2.33	21	3.03	3.86	53	42.5	35	6.6
2. ACTON	17,350	95	E	20.33	19.50	19.63	15.75	80	3.03	15	4.04	10.71	67	56	40	14.1
3. ADAMS	10,080	155	W	12.25	9.99	11.93	8.50	71	2.55	21	3.82	7.36	55	55	35	6.0
4. AMESBURY	14,780	111	E	17.66	16.63	17.64	13.27	75	3.05	17	6.82	7.98	58	58	35	12.0
5. ASHLAND	10,870	149	E	6.25	6.23						3.49	4.03			35	4.1
6. ATHOL	10,840	150	C	16.30	15.65	16.19	11.17	69	3.45	21	3.56	8.90	62	53	40	8.5
7. AUBURN	14,580	113	C	20.10	20.00	19.51	11.85	61	3.91	20	3.74	10.18	61.5	51.5	35	11.4
8. BEDFORD	12,490	132	E	31.70	30.54	30.39	19.80	65	6.51	21	5.19	12.28	67	64	40	13.8
9. BELLINGHAM	14,230	116	E	7.41	7.41	7.41	5.13	69	1.75	24	2.13	3.78	52	46	35	4.2
10. BOURNE	15,730	105	E	14.98	14.26	14.29	10.30	72	2.41	17	3.25	5.31	50	50	37.5	9.5
11. BRIDGEWATER	18,420	88	E	19.90	18.77	19.72	13.46	68	3.22	16	3.99	7.50	64	48	35	14.7
12. BURLINGTON	22,750	71	E	16.42	15.50	15.50	10.99	71	3.10	20	2.84	5.02	63	52	35	13.1
13. CANTON	18,340	89	E	22.42	21.85	22.33	16.17	72	3.44	15	4.64	6.53	56	51.5	35	14.6
14. CARVER	10,470	153	E	6.39	6.39	5.99	3.26	54	1.67	28	2.30	4.21	38	38	35	3.0
15. CLINTON	12,440	135	C	9.71	9.71	9.71	6.58	68	1.60	16	9.36	3.76	43	42	37	5.0
16. CONCORD	16,470	100	E	45.26	37.24	42.42	28.10	66	6.21	15	13.68	13.54	71	60	37.5	27.7
17. DANVERS	24,150	67	E	20.45	16.20	19.10	13.30	70	3.89	20	4.96	8.07	64	60	37.5	20.1
18. DEDHAM	23,810	69	E	18.52	16.93	18.52	13.30	72	2.92	16	7.33	4.73	64	64	37.5	17.9
19. DENNIS	13,700	122	E	6.63	3.41											
20. DRAQUET	24,040	68	E	9.87	8.83	9.77	6.64	68	1.60	16	2.42	4.13	60	49	35	8.6
21. DUXBURY	13,820	119	E	22.72	20.11	22.61	13.44	59	4.26	19	4.85	7.47	62	58	35	11.6
22. EAST BRIDGEWATER	10,080	154	E	19.05	16.18	18.02	11.47	64	3.59	20	4.84	4.44	52	47	35	7.9
23. EAST LONGMEADOW	12,910	129	W	21.26	20.61	20.95	14.06	67	3.48	17	4.46	10.45	65	57	37	11.9
24. EASTHAMPTON	16,330	102	W	7.95	6.08	7.95	5.48	69	1.20	15	2.36	3.44	50.5	50.5	35	4.9
25. EASTON	19,090	84	E	8.03	0.58	7.49	4.11	55	1.20	16	2.57	3.61	50	28	35	7.2
26. FAIRHAVEN	15,690	106	E	13.99	13.52	14.44	8.17	57	2.29	16	5.81	5.22	58	55	37	9.2

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
27. FOXBOROUGH	14,550	114	E	20.65	19.69	19.80	13.36	67	3.77	19	4.31	7.58	52	52	35	11.6
28. FRANKLIN	19,620	82	E	9.95	8.99	9.78	7.24	74	1.57	16	2.37	4.30	58	51	35	8.6
29. GARDNER	18,420	87	C	16.05	13.31	15.90	10.01	63	3.12	20	3.30	9.86	60	52	37.5	12.3
30. GRAFTON	11,840	141	C	10.08	8.50	10.08	6.63	66	2.08	21	4.20	3.84	45	38	35	3.2
31. GREENFIELD	17,900	91	W	14.94	13.00	14.17	10.92	77	2.14	15	4.50	6.21	54	41	37.5	11.8
32. HANOVER	11,560	144	E	14.90	13.26	14.35	8.80	61	3.04	21	5.46	7.24	51	44	35	6.3
33. HARVARD	13,140	127	C	9.88	8.70	9.88	5.85	59	2.28	23	2.56	3.44	49	47	30	5.2
34. HINGHAM	19,670	81	E	31.74	26.66	30.31	21.95	72	4.54	15	9.52	15.27	59	52	35	25.8
35. HOLBROOK	10,880	148	E	14.11	12.81	14.09	8.58	61	3.31	24	4.36	5.07	49	49	37.5	6.5
36. HOLDEN	13,750	120	C	18.33	17.01	17.22	12.07	70	2.98	17	2.74	5.32	55	46	35	9.3
37. HOLLISTON	12,980	128	E	11.46	10.52	10.45	7.14	68	1.93	18	3.18	4.16	52	45	37.5	7.2
38. HUDSON	17,550	92	C	14.41	13.34	14.27	9.92	69	2.68	19	2.69	7.04	61	53	37.5	10.6
39. IPSWICH	11,750	143	E	17.11	16.62	17.11	11.83	69	3.41	20	5.12	7.28	53.5	46	37.5	9.1
40. LONGMEADOW	16,380	101	W	16.06	15.01	15.19	9.54	63	2.52	17	3.08	10.17	57	50	36.5	11.3
41. LUDLOW	18,740	85	W	8.90	7.77	8.41	5.16	61	2.18	26	1.95	3.27	54.5	49.5	36	6.1
42. LYNNFIELD	11,350	146	E	22.27	21.32	21.32	15.31	72	4.01	19	6.26	13.98	64	56	35	10.1
43. MANSFIELD	14,920	110	E	11.73	10.76	11.12	7.18	65	2.46	22	2.90	5.07	52	45	36	6.9
44. MARBLEHEAD	19,580	83	E	27.20	26.46	26.76	18.67	70	4.96	19	4.82	11.97	64	60	40	22.9
45. MARSHFIELD	22,180	76	E	13.21	12.28	12.79	9.40	73	2.12	17	2.95	8.09	59	59	37.5	12.0
46. MEDFIELD	10,610	152	E	12.89	11.96	12.87	7.55	59	2.38	19	3.32	7.59	56	52	37.5	7.0
47. MIDDLEBOROUGH	17,410	94	E	14.65	11.73	13.63	7.38	54	5.37	39	6.40	4.36	52	52	36.5	8.2
48. MILFORD	24,230	66	C	25.19	23.98	23.10	14.91	65	4.85	21	1.85	5.82	65	57	35	21.4
49. MILLBURY	11,840	140	C	15.04	13.66	13.66	8.79	64	3.09	23	2.11	4.45	41	41	35	7.1
50. NEWBURYPORT	16,890	98	E	18.04	16.54	17.81	12.40	70	3.71	21	4.40	6.06	60	55	35	13.6
51. NORTH ADAMS	17,020	96	W	9.14	8.63	9.14	6.80	74	1.57	17	2.49	4.09	53	49	37.5	8.1
52. NORTH ANDOVER	22,390	75	E	14.43	12.59	13.95	9.16	66	2.63	19	2.98	5.66	67	56	38	12.7

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERL S \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS W IN	OPEN SUM	HRS IN WORK WEEK	FTE
53. NORTH ATTLEBOROUGH	23,460	70	E	8.38	7.37	8.17	5.70	70	1.36	17	1.39	3.81	50	39	37	9.4
54. NORTH READING	11,880	139	E	14.08	13.10	13.76	8.83	64	2.99	22	3.21	4.12	54	48	35	6.5
55. NORTHBOROUGH	11,320	147	C	29.36	28.26	29.30	18.12	62	5.84	20	5.06	11.63	54	54	40	12.2
56. NORTHBRIDGE	12,440	134	C	13.87	9.01	12.27	6.21	51	2.25	18	4.37	5.34	40.5	37.5	35	5.7
57. NORTON	13,710	121	E	8.22	6.69	7.38	4.61	62	1.68	23	1.97	3.28	44	40	40	4.2
58. OXFORD	12,330	137	C	10.96	9.78	10.15	6.92	68	1.83	18	2.35	4.03	42	38	37.5	5.6
59. PALMER	11,800	142	W	20.59	19.02	20.59	12.49	61	3.64	18	4.99	12.63	57	47	35	10.4
60. PEMBROKE	14,540	115	E	8.43	7.55	7.95	4.83	61	1.63	21	3.08	4.38	51	51	37.5	4.8
61. READING	22,550	74	E	20.32	18.97	19.58	14.72	75	3.34	17	4.30	12.29	68.5	60	37.5	18.8
62. ROCKLAND	15,340	107	E	12.07	10.75	11.46	7.83	68	2.45	21	2.66	4.45	54	47	35	10.1
63. SANDWICH	12,470	133	E	18.71	17.86	18.71	12.00	64	3.06	16	3.59	8.30	42	42	35	8.4
64. SCITUATE	16,960	97	E	19.11	16.61	17.78	12.04	68	2.88	16	4.16	7.99	56	52	35	10.0
65. SEEKONK	12,710	130	E	14.40	13.51	14.39	9.80	68	2.92	20	3.74	8.55	49	49	32.5	7.7
66. SHARON	14,660	112	E	21.41	20.86	21.28	13.99	66	4.55	21	4.54	9.86	50.5	50.5	37.5	11.4
67. SHREWSBURY	22,560	72	C	22.84	20.82	22.84	14.03	61	3.76	16	4.75	8.66	58	55	37.5	18.9
68. SOMERSET	18,230	90	E	14.46	14.32	14.45	10.68	74	2.65	18	4.19	7.54	71	68	35	12.5
69. SOUTH HADLEY	16,230	103	W	16.76	16.25	16.76	10.47	62	3.91	23	3.05	9.79	54	48	35	10.4
70. SOUTHBRIDGE	16,520	99	C	16.68	15.26	16.43	10.20	62	3.25	20	3.87	6.86	62	58	37.5	10.5
71. SPENCER	11,540	145	C	8.81	5.54	8.81	5.62	64	2.29	26	2.68	5.39	50	50	27	4.4
72. STONEHAM	22,550	73	E	17.25	16.77	16.39	11.09	68	2.77	17	3.63	6.20	62	51	35	16.2
73. SUDBURY	14,140	117	E	23.55	22.63	22.24	16.01	72	3.67	17	4.19	12.84	64	52	35	11.0
74. SWAMPSCOTT	13,330	125	E	21.00	19.55	19.98	14.33	72	3.86	19	5.87	8.20	60	52	35	11.4
75. SWANSEA	15,790	104	E	6.18	5.69	6.18	3.78	61	1.77	29	3.43	4.43	50	50	37.5	5.4
76. WALPOLE	19,720	80	E	16.15	14.94	16.14	10.80	67	3.55	22	4.71	7.22	63	55	35	13.4
77. WAREHAM	20,340	77	E	7.99	6.81	7.53	5.01	67	1.68	22	1.72	4.86	53.5	49.5	35	7.1
78. WAYLAND	12,190	138	E	26.12	25.35	26.11	19.67	75	4.10	16	6.14	9.19	67	57	35	12.3

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY EXP \$ PER CAP	\$ TOT EXP	MATERLS EXP \$ PER CAP	\$ TOT EXP	HLDS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
79. WEBSTER	15,090	109	C	8.56	8.08	7.74	5.10	66	2.15	28	4.29	5.37	49	45	35	5.3
80. WESTBOROUGH	13,210	126	C	25.08	23.14	23.72	16.07	68	4.40	19	3.80	9.50	53	53	40	13.7
81. WESTFORD	15,210	108	E	22.82	21.83	21.27	14.92	70	3.70	17	3.93	7.28	59	44	37.5	15.6
82. WESTON	10,700	151	E	37.29	36.46	36.46	22.45	62	8.10	22	6.50	13.05	61	53	37.5	14.0
83. WESTPORT	14,010	118	E	8.38	7.74	7.24	4.76	66	1.21	17	2.33	4.19	48		35	5.0
84. WESTWOOD	12,580	131	E	34.62	34.62	33.96	24.64	73	5.36	16	6.75	12.41	67	60	35	15.7
85. WHITMAN	13,350	124	E	6.74	5.35	6.62	4.26	64	1.69	26	1.68	2.38	51	45	35	4.8
86. WILBRAHAM	12,420	136	W	18.10	16.27	17.48	10.37	59	3.51	20	5.28	10.90	59	52	35	9.0
87. WILMINGTON	17,530	93	E	18.43	17.64	17.64	13.59	77	2.45	14	4.60	5.99	60	52	35	11.8
88. WINCHESTER	20,120	78	E	31.58	30.23	31.28	21.40	68	4.87	16	6.70	11.34	63	44.5	35	21.3
89. WINTHROP	18,640	86	E	10.98	10.98	9.73	7.75	80	1.75	18	3.83	3.19	50	43	35	9.9
90. YARMOUTH	19,800	79	E	8.11	6.05	7.95	3.76	47	2.10	26	3.53	8.34	50.5	50.5	35	7.4

Population Group V
(25,000-49,999)

POPULATION GROUP V (25,000 - 49,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP \$ TOT EXP	MATERLS \$ PER CAP	EXP \$ TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	OPEN SUM	HRS IN WORK WEEK	FTE
1. AGAWAM	27,130	55	W	14.12	12.78	13.88	7.94	57	3.05	22	3.52	5.98	65	57	35	13.2
2. AMHERST	32,260	42	W	22.23	20.44	21.83	14.54	67	3.65	17	4.11	8.15	63	59	37.5	33.2
3. ANDOVER	27,230	53	E	30.04	29.07	29.00	19.36	67	4.73	16	7.71	12.41	71	60	37.5	31.8
4. ARLINGTON	44,350	25	E	21.10	20.30	20.97	15.38	73	3.07	15	3.91	8.34	68	60	35	38.1
5. ATTLEBORO	34,910	39	E	13.83	10.94	13.48	8.06	60	2.32	17	3.19	4.04	63	50.5	35	16.8
6. BARNSTABLE	36,540	36	E	28.25	18.40	27.75	15.28	55	4.15	15	5.68	10.54	65	65	35	39.7
7. BELMONT	25,020	65	E	32.07	30.76	30.34	20.43	67	4.76	16	5.98	9.92	68	64	35	26.8
8. BEVERLY	36,980	35	E	17.93	16.37	18.04	10.26	57	3.61	20	4.35	5.90	69	60	35	23.5
9. BILLERICA	38,230	31	E	9.31	8.40	8.54	5.96	70	1.54	18	1.74	4.72	64	56	37.5	12.3
10. BRAINTREE	34,690	40	E	20.79	20.52	20.79	12.57	60	2.65	13	2.67	4.98	64	55	38	28.5
11. CHELMSFORD	31,810	43	E	21.42	20.20	20.72	13.96	67	3.90	19	2.96	8.37	69	65	37.5	26.9
12. CHELSEA	25,640	60	E	12.78	11.42	10.55	8.27	78	1.35	13	5.30	3.45	63	42	35	12.0
13. DARTMOUTH	25,610	61	E	15.10	15.07	15.10	10.26	68	2.61	17	3.61	6.71	60	60	35	16.4
14. EVERETT	36,330	37	E	13.46	12.32	13.32	9.88	74	2.04	15	5.04	2.92	72	56	35	20.0
15. FALMOUTH	25,440	63	E	25.85	22.81	25.67	17.78	69	3.76	15	4.91	12.19	59	63	37.5	27.6
16. FITCHBURG	39,040	30	C	19.99	17.04	19.76	13.40	68	2.79	14	4.66	6.48	63.5	54	37.5	31.4
17. GLOUCESTER	28,230	50	E	14.20	11.29	13.43	10.27	76	1.86	14	3.88	5.35	63	59	40	15.1
18. HAVERHILL	48,620	22	E	14.36	10.47	14.37	9.27	65	2.12	15	3.96	4.11	69	65	40	28.6
19. HOLYOKE	42,000	27	W	9.31	5.91	7.60	4.70	62	1.33	17	2.08	2.03	63	52	35	13.9
20. LEOMINSTER	35,060	38	C	13.70	12.43	13.23	9.23	70	2.17	16	3.12	4.92	64	60	37.5	18.7
21. LEXINGTON	28,610	47	E	39.15	33.54	39.15	25.96	66	6.01	15	6.90	19.22	70	66	37	41.5
22. MARLBOROUGH	31,180	44	E	14.54	13.26	14.28	10.10	71	2.13	15	3.37	6.53	64	54	35	18.8
23. MELROSE	28,790	46	E	17.21	15.59	16.52	10.77	65	3.27	20	4.01	6.89	67	56	37	19.0
24. METHUEN	39,470	29	E	6.61	2.05	6.66	3.29	49	1.74	26	1.41	2.63	64	56	35	13.0
25. MILTON	25,500	62	E	22.66	20.96	21.55	14.99	70	3.39	16	4.85	7.21	68.5	56.5	37.5	19.6
26. NATICK	30,270	45	E	21.26	19.27	21.15	14.43	68	3.34	16	4.42	7.58	67.5	56.5	37.5	23.6

POPULATION GROUP V (25,000 - 49,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDS P C	CIRC P C	HOURS W IN	OPEN SUM	HRS IN WORK WEEK	FTE
27. NEEDHAM	27,240	52	E	25.03	25.03	24.13	16.41	68	4.06	17	5.04	11.10	68	64	37.5	25.1
28. NORTHAMPTON	28,360	49	W	23.65	18.30	22.69	16.05	71	3.77	17	12.05	7.35	71	71	37.5	30.1
29. NORWOOD	28,220	51	E	20.84	19.95	20.43	14.39	70	3.23	16	3.43	8.15	72	60	35	19.9
30. PEABODY	46,300	23	E	17.20	15.93	15.28	8.84	58	3.84	25	2.01	2.84	69	65	35	27.7
31. PITTSFIELD	49,580	21	W	12.31	10.90	12.20	9.64	79	1.87	15	3.76	7.55	68	49	35	28.9
32. PLYMOUTH	40,290	28	E	13.33	11.69	12.40	9.21	74	1.79	14	1.98	4.48	63	54.5	37.5	21.1
33. RANDOLPH	28,580	48	E	10.76	9.64	9.95	6.82	68	1.91	19	1.52	6.30	64	46	35	11.9
34. REVERE	43,510	26	E	5.73	4.64	4.60	3.52	77	0.66	14	0.79	0.92	65	53	40	11.0
35. SALEM	38,050	32	E	15.68	13.49	14.51	9.87	68	2.20	15	4.31	4.35	64	64	35	22.4
36. SAUGUS	25,860	58	E	8.53	8.04	8.53	6.25	73	1.40	16	2.50	3.03	61.5	50.5	37.5	8.9
37. STOUGHTON	27,190	54	E	16.12	15.61	15.61	10.29	66	2.76	18	3.65	4.60	64	55.5	35	16.9
38. TAUNTON	45,760	24	E	11.32	9.73	11.12	8.19	74	1.84	17	6.08	2.88	64	55	35	23.4
39. TEWKSBURY	25,660	59	E	7.72	6.79	7.72	5.58	72	1.34	17	1.25	2.87	58	51	37.5	6.4
40. WAKEFIELD	25,170	64	E	22.31	21.42	22.30	15.34	69	3.66	16	3.67	6.74	65	57	35.5	19.2
41. WATERTOWN	32,890	41	E	29.04	27.99	28.10	20.54	73	3.93	14	4.03	6.78	64	52	37	44.0
42. WELLESLEY	26,550	57	E	35.55	34.23	34.14	24.60	72	4.55	13	8.00	15.65	63	60	35	43.3
43. WEST SPRINGFIELD	26,800	56	W	13.60	12.53	13.17	8.31	63	1.96	15	3.50	5.26	68	50	37.5	13.2
44. WESTFIELD	37,710	33	W	15.66	11.54	15.24	9.60	63	2.58	17	4.71	7.48	63	54.5	37	24.3
45. WOBURN	37,380	34	E	12.41	11.41	11.32	8.34	74	1.75	15	2.49	2.65	65	56.5	37.5	16.9

Population Group VI (50,000-99,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC \$ P C	APPRO MUNIC INC \$ P C	TOT OPRTG EXP \$ P C	SALARY \$ PER CAP	EXP % TOT EXP	MATERLS \$ PER CAP	EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS W IN	OPEN SUM	HRS IN WORK WEEK	FTE
1. BROCKTON	93,870	5	E	12.44	10.77	10.88	8.56	79	1.31	12	3.21	3.37	64	52	35	44.7
2. BROOKLINE	52,360	20	E	37.56	35.61	37.03	26.52	72	6.31	17	7.55	9.06	66	61	37	63.8
3. CAMBRIDGE	91,260	7	E	22.41	21.89	22.31	15.73	71	2.66	12	5.08	6.98	72	60	37.5	70.9
4. CHICOPEE	57,100	15	W	9.18	7.96	8.83	6.69	76	1.32	15	1.30	2.99	63	48	35	25.7
5. FALL RIVER	90,420	8	E	7.58	7.44	7.55	5.40	72	1.31	17	4.23	2.20	64	56	35	24.7
6. FRAMINGHAM	63,890	13	E	20.09	18.60	20.12	15.08	75	3.01	15	3.85	8.45	67.5	64.5	37.5	49.2
7. LAWRENCE	63,420	14	E	11.60	10.15	11.61	8.26	71	1.51	13	3.74	1.97	68	56	35	28.9
8. LOWELL	92,880	6	E	8.24	6.37	7.39	4.82	65	1.84	25	2.46	1.67	63.5	52.5	35	24.9
9. LYNN	78,560	11	E	11.81	10.33	11.79	9.36	79	1.70	14	3.42	2.23	64	50	35	45.0
10. MALDEN	53,490	19	E	13.07	10.99	12.63	8.58	68	1.88	15	4.21	2.32	66	56	35	27.5
11. MEDFORD	56,830	17	E	13.02	11.97	12.33	9.31	76	1.69	14	2.42	2.94	65	57	35	26.5
12. NEW BEDFORD	96,450	4	E	17.88	14.64	14.93	11.03	74	1.98	13	4.63	3.87	64	60	35	62.1
13. NEWTON	82,140	10	E	20.29	19.05	20.26	14.41	71	2.64	13	4.21	5.83	68	62	37.5	71.7
14. QUINCY	82,630	9	E	17.09	15.67	15.60	11.32	73	2.11	14	2.75	4.72	64	56	35	42.4
15. SOMERVILLE	72,280	12	E	14.05	12.10	12.54	9.76	78	1.92	15	3.19	2.03	63	57	35	40.6
16. WALTHAM	57,090	16	E	11.45	10.52	11.05	8.73	79	1.48	13	2.82	4.23	64	56	35	26.7
17. WEYMOUTH	54,480	18	E	13.33	12.03	13.09	10.12	77	1.67	13	2.83	4.10	67	56	35	28.5

Population Group VII (100,000 +)

MUNICIPALITY -----	'86 POP ---	POP RNK ---	REG ---	TOT OPRTG INC \$ P C -----	APPRO MUNIC INC \$ P C -----	TOT OPRTG EXP \$ P C -----	SALARY EXP \$ % PER TOT CAP EXP -----	MATERLS EXP \$ % PER TOT CAP EXP -----	HLDS P C -----	CIRC P C -----	HOURS OPEN W IN SUM -----	HRS IN WORK WEEK -----	FTE -----
1. BOSTON	573,600	1	E	32.90	31.21	32.71	22.77 70	4.77 15	11.02	3.17	68 64	35	675.3
2. SPRINGFIELD	149,410	3	W	29.30	27.95	29.30	20.47 70	4.29 15	4.84	8.74	68 52	37.5	163.1
3. WORCESTER	157,770	2	C	21.11	19.67	20.48	15.23 74	2.67 13	5.21	4.97	63 54.5	40	133.4

Section Three:

FY89 LIG & MEG Application Page 2

Annual Report Information Survey

Last Page

A. FY89 TOTAL OPERATING INCOME (no cents) — BUDGETED

Sources of Income	APPROPRIATED	NOT APPROPRIATED
1. Municipal Funds	_____	_____
2. Dog Tax Fund	_____	_____
3. Additional Aid to Public Libraries	_____	_____
4. Other & Miscellaneous	_____	_____
5. Trusts and Endowments	_____	_____
6. Monetary Gifts	_____	_____
7. LIG	_____	_____
8. MEG	_____	_____

↓

FY89 BOX A	Total Appropriated Municipal Income for 7/1/88-6/30/89	_____
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B. FY89 CAPITAL PROGRAMS & OUTLAYS*

1. Income	
a. Appro. Municipal Income	_____
b. Additional Aid to Public Libraries	_____
c. LIG	_____
d. MEG	_____
e. Additional Monies	_____

**TOTAL
BOX B1** _____

* Funds reported in Section B should not be reported in Section A.

C. FY88 TOTAL OPERATING INCOME (no cents) — ACTUAL

Sources of Income	APPROPRIATED	NOT APPROPRIATED
1. Municipal Funds	_____	_____
2. Dog Tax Fund	_____	_____
3. Additional Aid to Public Libraries	_____	_____
4. Other & Miscellaneous	_____	_____
5. Trusts and Endowments	_____	_____
6. Monetary Gifts	_____	_____
7. LIG	_____	_____
8. MEG	_____	_____

↓

FY88 BOX C	Total Appropriated Municipal Income for 7/1/87-6/30/88	_____
-----------------------	---	-------

D. FY88 CAPITAL PROGRAMS & OUTLAYS*

1. Income	
a. Appro. Municipal Income	_____
b. Additional Aid to Public Libraries	_____
c. LIG	_____
d. MEG	_____
e. Additional Monies	_____

**TOTAL
BOX D1** _____

BOX D2 _____

2. Expenditures	_____
-----------------------	-------

* Funds reported in Section D should not be reported in Sections C or E. Please see Instructions.

Municipal Appropriation Requirement TOTAL APPROPRIATED MUNICIPAL INCOMES FOR FISCAL YEARS 1989 TO 1986

FY 1989 (BOX A)

FY 1988 BOX C

FY 1987

FY 1986

INSTRUCTIONS - APPLICATION FORM FOR FY89 LIBRARY INCENTIVE GRANT &/OR FY89 MUNICIPAL EQUALIZATION GRANT

(Excerpts regarding Income and Expenditures: see sections C and D for FY88 data)

A ✓ indicates new or substantially revised instructions. **PLEASE** read these instructions before completing the application and call the LIG/MEG Unit staff at 1-800-952-7403 or 267-9400 if you have any questions.

Applying for both the FY89 LIG and FY89 MEG? - please complete all pages of this application, check both boxes at the bottom of page 4, and have the application signed by the Chair of the Board of Trustees.

Applying only for an FY89 MEG? - please complete page 2, check the last box at the bottom of page 4, and have the application signed by the Chair of the Board of Trustees.

Instructions corresponding to each page of the Application are separated below by a solid horizontal line.

p1 At the bottom of the page give the inclusive dates of the fiscal year for which you are reporting only if it differs from a July 1 through June 30 year.

p2 A **FY89 TOTAL OPERATING INCOME (no cents) - BUDGETED**

Exclude - Income earmarked for capital programs and outlays

In Section A, indicate, in the relevant columns, the amounts budgeted for operating the library in FY89 (1 July '88 - 30 June '89) for each source of income listed.

p2 A1 **Municipal Funds**

Include + revenue, such as from the local tax levy, appropriated for operating expenditures
+ funds and transfers through the supplemental budget process

Exclude - and report separately, if possible, these sources of income. Such reporting helps identify the frequency with which various sources contribute to public library funding

- Dog Tax Fund
- Additional Aid to Public Libraries
- Other & Miscellaneous
- Library Incentive Grant (LIG) and Municipal Equalization Grant (MEG)

A2 **Dog Tax Fund**

A3 **Additional Aid to Public Libraries:**

Include + the monies from line C.3 of the FY89 Cherry Sheet if made available to the library.

Exclude - the FY89 LIG and MEG monies which were noted on line C.2 (labeled Public Libraries) of the FY89 Cherry Sheet.

A4 Other and Miscellaneous

Include + revenue not specified elsewhere in section A. Such revenue may be from fines, fees (such as from photocopiers, public access microcomputers or rentals), the sale of inventory and fixed assets, or proceeds from fund raising projects and consignment shops.

Exclude - receipts retained by the municipality and not authorized for the library's operating expenses. Also exclude these monies:

1. non-governmental grant monies received as a result of a proposal prepared in response to the requirements of the grantor. Grantors may include civic and business organizations and foundations.
 2. LSCA and other federal grant monies
 3. federally subsidized employment programs such as those funded under the Older Americans Act
 4. income earmarked for capital programs and outlays
 5. income from state government grants, such as the State Competitive Grant and those awarded by the Massachusetts Arts Lottery Council, except report the LIG, MEG and Additional Aid to Public Libraries, noted in A7-8 and A3.
- under, APPROPRIATED, receipts retained by the municipality and not authorized for the library's operating expenses.

A5 Trusts and Endowments

Include + interest or other income from trusts and endowments expected between 1 July 1988 - 30 June 1989. If some or all of your trust funds and/or endowments do not follow the July - June fiscal year, please indicate that on the bottom line of page 1.

Exclude - the principal of trusts and endowments

A6 Monetary Gifts

Include + monetary gifts received from civic and business organizations and foundations as well as from individuals

Exclude - estimated or fair market value of non-monetary gifts (such as books, paintings, furniture, etc.)

- grants from foundations or civic and business organizations

A7 LIG - Report in NOT APPROPRIATED Column

Include + the LIG funds that have been budgeted for operating library services during FY89. Based on the budget language funding the grants, we will be considering these funds as "not appropriated". Therefore, **please report such income in the "NOT APPROPRIATED" column even if town meeting took action giving the funds to the library.**

Exclude - here, but report in Section B, any amount set aside for capital outlays

- ✓ - funds carried over from prior years.

A8 MEG - Report in NOT APPROPRIATED column

Include + the MEG funds that have been budgeted for operating library services during FY89. Based on the budget language funding the grants, we will be considering these funds as "not appropriated". Therefore, please report such income in the "NOT APPROPRIATED" column even if town meeting took action giving the funds to the library.

Exclude - here, but report in Section B, any amount set aside for capital outlays.

- ✓ - funds carried over from prior years.

p2 Box A Add lines A1-5 in the APPROPRIATED column and place the sum in Box A labeled FY89 "Total Appropriated Municipal Income."

p2 B FY89 CAPITAL PROGRAMS

In general, record here the income for the hardware associated with the library's automated systems and/or automated networks for resource sharing. Also record here the income for the library's creation of machine-readable records in a retrospective conversion project if it was not reported as part of operating income.

p2 B1 INCOME (Capital)

Include + income for capital programs or outlays. These may generally be defined as extraordinary and non-recurring programs, such as construction, renovation, improvement, expansion, or repair of a library building, resulting in the acquisition of, or addition to, fixed assets which will remain usable in excess of one year.

Municipalities, however, often have their own definition of what constitutes a capital program or outlay. If available, use the municipality's definition or that of the Board of Trustees.

Note that any income reported here in section B1 should not be reported in section A.

B1a Appro Municipal Income (Capital)

Include + appropriations for capital programs and outlays from Municipal Funds and the Dog Tax Fund.

Exclude - and report separately below capital outlays from Additional Aid to Public Libraries, LIG and/or MEG, and Additional Monies.

B1b Additional Aid to Public Libraries (Capital)

Include + Additional Aid to Public Library monies appropriated for library capital programs and outlays. Additional Aid to Public Libraries monies were reported to municipalities on

line C.3 of the FY89 Cherry Sheet.

Exclude - any LIG and MEG monies designated for Capital programs and outlays. Such income should be reported on lines B1c and d.

B1c LIG (Capital)

Include + money if budgeted for capital outlays rather than for operating income and expenditures.

B1d MEG (Capital)

Include + money if budgeted for capital outlays rather than for operating income and expenditures

B1e Additional Monies (Capital)

Include + income for capital programs and outlays from these sources of income:

- o interest from trusts and endowments
- o monetary gifts
- o Other and Miscellaneous
- o federal monies
- o state monies other than those received from the Board of Library Commissioners and the Additional Aid to Public Libraries

p2 Box B1 Add lines B1a-e and place the sum in the box below labeled B1.

p2 C FY88 TOTAL OPERATING INCOME (no cents) - ACTUAL

In Section C, indicate, in the relevant columns, the amounts received for operating the library in FY88 (1 July '87 - 30 June '88) for each source of income listed.

Section C asks for essentially the same information for FY88 that was requested in Section A for FY89. Section C asks for a report of actual operating income received by the library for operating services in FY88 whereas Section A asked for operating income budgeted for FY89. For the similar income sources, we are not repeating the instructions but ask you to refer back to Section A.

p2 C1 Municipal Funds

Include and Exclude - same as for Section A

C2 Dog Tax Fund

C3 Additional Aid to Public Libraries:

Include + the monies from line B.8 of the FY88 Cherry Sheet if made available to the library.

Exclude - the FY88 LIG & MEG monies reported on line B.10 of the FY88 Cherry Sheet.

C4 Other and Miscellaneous

Include + revenue not specified elsewhere in section C. Such revenue is the same type as noted for Section A

Exclude - receipts retained by the municipality and not authorized for the library's operating expenses; exclude the same types of receipts noted for Section A. If the library received LIG, MEG and Additional Aid to Public Libraries monies, please report those separately in C7, C8 and C3.

C5 Trusts and Endowments

Include + same as for Section A except these are monies received between 1 July 1987 - 30 June 1988.

Exclude - same as for Section A

C6 Monetary Gifts

Include and Exclude - same as for Section A

C7 LIG - Report in Not Appropriated Column

Include + the LIG funds that were received for operating library services during FY88. Based on the budget language funding the grant, we will be considering these funds as "not appropriated". Therefore, **please report such income in the "NOT APPROPRIATED" column even if town meeting took action giving the funds to the library.**

Exclude - here, but report in Section D, any set aside for capital outlays.
- funds carried over from prior years.

C8 MEG - Report in Not Appropriated Column

Include + the MEG funds that were received for operating library services during FY88. Based on the budget language funding the grant, we will be considering these funds as "not appropriated". Therefore, **please report such income in the "NOT APPROPRIATED" column even if town meeting took action giving the funds to the library.**

Exclude - here, but report in Section D, any set aside for capital outlays.
- funds carries over from prior years.

p2 Box C Add lines C1-5 in the APPROPRIATED column and place the sum in Box C labeled FY88 "Total Appropriated Municipal Income."

p2 D FY88 CAPITAL PROGRAMS AND OUTLAYS

Section D asks for the same type of income as noted for Section B, and expenditures data.

p2 D1 **INCOME (Capital)**

Include - same types of income as noted for Section B. **Note that any income reported here in section D1 should not be reported in section C.**

D1a **Appro Municipal Income (Capital)**

Include + same as for Section B

Exclude - Items listed separately below

D1b **Additional Aid to Public Libraries (CAPITAL)**

Include + same as noted for Section B except was on line B.8 of FY88 Cherry Sheet

Exclude - any LIG and MEG monies designated for capital; report those monies on lines D1c and D1d

D1c **LIG (CAPITAL)**

Include + if received for capital rather than for operating

D1d **MEG (CAPITAL)**

Include + If received for capital rather than for operating

D1e **Additional Monies (Capital)**

Include + same types of monies as noted for Section B

p2 Box D1 Add lines D1a-e and place the sum in the box below labeled D1.

p2 D2 **Expenditures (Capital)**

Include + all expenditures and encumbrances for capital programs and outlays made from the sources of income listed above in D1a-e.

Note that any expenditures reported here in section D2 should not be reported in section E.

p2 Box D2 Place the sum of all such expenditures and encumbrances in the box labeled D2.

p3 E **FY88 TOTAL OPERATING EXPENDITURES (no cents) - ACTUAL**

Include + expenditures and encumbrances from income reported above in C1-8

- + expenditures, defined as the cost of goods delivered or services rendered
- + encumbrances, defined as a contingent liability in the form of purchase orders, contracts, or salary commitments which were not yet paid as of the last day of the fiscal year, but are to be paid out of FY88 Sources of Income. An example of an encumbrance is an order for books not yet received (or paid for) on the last day of the fiscal year, but for which funds are reserved (encumbered) to pay the bill when received.

Exclude - expenditures and encumbrances from income reported in D1a-e (Capital Programs and Outlays)

p3 E1 Salaries

- Include** + expenditures and encumbrances from income reported in C1-8
- + total salaries paid all staff (full-time, part-time, seasonal, substitute, hourly, etc.) holding positions routinely included in the library budget year after year
- Exclude** - contracted building maintenance services
- salaries paid with federal monies (LSCA, Older Americans Act, etc.)
 - salaries paid by other municipal departments or from the State Competitive Grant Program
 - pension and fringe benefit expenditures (if either or both are paid from the library's income, include the amount expended in "Other Operating Expenditures" Box E3 below.)

p3 Box E1 Place the amount of salary expenditures/encumbrances to the right in Box E1 labeled "Total Salary Expenditures."

p3 E2a-d Library Materials

- Include** + expenditures and encumbrances from income reported in C1-8
- + for books, the amount expended and encumbered for books and other printed materials catalogued or made ready for use (processed) in the same manner as books
 - + separate amounts for periodicals, microforms, non print and additional materials.

p3 E2d Non-Print and Additional Materials

- Include** + expenditures and encumbrances for income reported in C1-8
- + audio recordings (LP records, compact disc, and audio cassettes)
 - + 8 and 16mm films if they are part of the library's permanent collection
 - + video recordings (video cassettes and videodiscs) if they are part of the library's permanent collection
 - + other AV materials which require the use of special equipment to be seen or heard
 - + additional non-book library materials which do not require the use of special equipment to be seen or heard, e.g., maps, art prints, globes, vertical file material, and games
 - + microcomputer software

✓ **p3 Box E2 Add the amounts reported on lines E2a-d marked books, periodicals, microforms, non-print and additional materials and place the total to the right in**

Box E2 labeled "Total Materials Expenditures."

p3 E3 Other Operating Expenditures

Include expenditures and encumbrances:

- + from income reported in C1-8
- + for all purposes other than salaries and materials
- + for items such as the following, for example:
 - maintenance of plant; electricity
 - telephone and telecommunications
 - equipment and film rentals
 - equipment maintenance contracts
 - annual network and consortium membership fees
 - supplies, postage; binding and rebinding
 - fees for speakers; pension and fringe benefit costs
 - creation of machine-readable records

Exclude - expenditures and encumbrances from income reported in D1a-e (Capital Programs and Outlays) above

p3 Box E3 Place the amount to the right in Box E3 labeled "Other Operating Expenditures."

p3 Box E Total Operating Expenditures

Add Boxes E1, E2, and E3 and place the total to the right in Box E labeled "Total Operating Expenditures."

HOLDINGS AND CIRCULATION INFORMATION FOR FY88

If data are for other than July 1, 1987 - June 30, 1988, please give inclusive dates here _____

A. HOLDINGS

1. LIBRARY PRINT MATERIALS

- a. Volumes Owned.....
- b. Volumes of Bound Periodicals.....
- c. Periodical Subscriptions Rec'd.....
- d. Physical Units of Microforms.....

2. LIBRARY NON-PRINT & ADDITIONAL MATERIALS

- a. Audio Recordings.....LP records_____ + compact discs_____ + audio cassettes_____ =
- b. Films 8mm.....
- c. Films 16mm.....
- d. Filmstrips.....
- e. Slide Sets.....
- f. Video Recordings.....videodiscs_____ + video cassettes_____ =
- g. Multi-media Kits.....
- h. Framed Art Prints.....
- i. Other.....

TOTAL A

B. CIRCULATION (Including Non-Resident)

1. LIBRARY PRINT MATERIALS

- a. Direct Circulation to Users.....
- b. Circulation from other Libraries to Users (ILL).....
- c. Circulation to other Libraries (ILL).....

2. LIBRARY NON-PRINT & ADDITIONAL MATERIALS

- a. Audio Recordings.....LP records_____ + compact discs_____ + audio cassettes_____ =
- b. Films 8mm.....
- c. Films 16mm.....
- d. Filmstrips.....
- e. Slide Sets.....
- f. Video Recordings.....videodiscs_____ + video cassettes_____ =
- g. Multi-media Kits.....
- h. Framed Art Prints.....
- i. Other.....

TOTAL B

C. CIRCULATION (NON-RESIDENT ONLY)

- 1. Number of items of all types of materials circulated to non-residents was _____.

ANNUAL REPORT INFORMATION SURVEY INSTRUCTIONS
(for Holdings and Circulation Information)

A1 FY88 HOLDINGS: LIBRARY PRINT MATERIALS

A1a Volumes Owned: Count one for each volume (i.e. physical unit, either hard or soft bound) owned by the library in its catalogued collection of books and related printed materials catalogued or processed in the same manner as books.

A1b Volumes of Bound Periodicals: Count, according to the method used in your library, the number of volumes of hardbound periodicals owned by the library. Report "0" if the library does not own any volumes of bound periodicals.

A1c Periodical Subscriptions Received: Count one for each title, excluding duplicate subscriptions.

A1d Physical Units of Microforms: Count one for each roll of microfilm or each card of microfiche.

A2 FY88 HOLDINGS: LIBRARY NON-PRINT & ADDITIONAL MATERIALS: For each of the media listed, count materials separately by title, including one for each titled part of a series. Because we did not give you notice of new data items, you are not required to break down the counts for audio recordings and video recordings by the formats listed for those media. If, however, you do have counts by those formats readily available and can provide them, the data (or an indication that the format is owned but not counted separately), will be useful for our Non-Print Media Unit. Thank you.

A2a Audio recordings: Please provide a total count of all audio recordings. Include, if available, a separate figure for LP records, compact discs, and audio cassettes.

A2b-c Films 8mm and 16mm: Count only those owned by the library.

A2d-e Filmstrips and Slide Sets: Include sound and silent.

A2f Video Recordings: Please provide a total count of all video recordings. Include, if available, a separate figure for videodiscs and cassettes, either commercially or non-commercially produced.

A2g Multi-Media Kits: A kit is a variety of media formats (usually a minimum of 3) gathered and integrated into a unit such that the varied components overlap and reinforce the value of each other. Count one for each kit title.

A2h Framed Art Prints: Include framed art prints intended for circulation. Do not include individual photographs or clippings.

A2i Other: Include materials not listed individually such as globes, games, puzzles, toys, realia, maps, microcomputer software, vertical file material, etc. Count one for each drawer of vertical file material; for all other items count or estimate one for each title.

Add lines A1a and A2a-h, placing the figure below on the dark line labeled "TOTAL A." Do not include lines A1b-d and A2i in the total.

B1 FY88 CIRCULATION: LIBRARY PRINT MATERIALS

B1a Direct Circulation to Users: Count one for each book or issue of a periodical lent from the collection to users (including non-residents), and one for each renewal, including circulation from bookmobiles operated by the library. Circulation of materials owned by the regional public library systems should also be included in this count.

B1b Circulation from Other Libraries to Users (ILL): Count one for each book or issue of a periodical received from another library's collection and circulated to users, and one for each renewal. This figure should reflect the interlibrary loans received by the library.

B1c Circulation to Other Libraries (ILL): Count one for each book or issue of a periodical loaned to another library, and one for each renewal. This figure should reflect the interlibrary loans sent by the library.

B2 FY88 CIRCULATION: LIBRARY NON-PRINT & ADDITIONAL MATERIALS

B2a-1 Count one for each title lent from the library's own collection to users and one for each renewal (including non-residents). Also count one for each title received from the regional public library systems or from another library's collection and lent to users or another library, and one for each renewal. See note re: audio recording and video recording formats in A2 FY88 Holding above.

Add lines B1a-c and B2a-h, placing the figure below on the dark line labeled "TOTAL B." Do not include line B2i in the total.

C. CIRCULATION (NON-RESIDENT ONLY)

Report the number of items (excluding ILL) lent to Massachusetts residents who are not residents of your municipality.

If you have any questions, please call the Planning and Research Unit staff at 1-800-952-7403 or 267-9400

Municipal Index to Population Groups

Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group
ABINGTON	IV	BREWSTER	III	DUNSTABLE	II	HANCOCK	I	LUDLOW	IV
ACTON	IV	BRIDGEWATER	IV	DUXBURY	IV	HANOVER	IV	LUNENBURG	III
ACUSHNET	III	BRIMFIELD	II	EAST BRIDGEWATER	IV	HANSON	III	LYNN	VI
ADAMS	IV	BROCKTON	VI	EAST BROOKFIELD	I	HARDWICK	II	LYNNFIELD	IV
AGAWAM	V	BROOKFIELD	II	EAST LONGMEADOW	IV	HARVARD	IV	MALDEN	VI
ALFORD	I	BROOKLINE	VI	EASTHAM	II	HARWICH	III	MANCHESTER	III
AMESBURY	IV	BUCKLAND	I	EASTHAMPTON	IV	HATFIELD	II	MANSFIELD	IV
AMHERST	V	BURLINGTON	IV	EASTON	IV	HAVERHILL	V	MARBLEHEAD	IV
ANDOVER	V	CAMBRIDGE	VI	EDGARTOWN	II	HAWLEY	I	MARION	II
ARLINGTON	V	CANTON	IV	EGREMONT	I	HEATH	I	MARLBOROUGH	V
ASHBURNHAM	II	CARLISLE	II	ERVING	I	HINGHAM	IV	MARSHFIELD	IV
ASHBY	II	CARVER	IV	ESSEX	II	HINSDALE	I	MASHPEE	III
ASHFIELD	I	CHARLEMONT	I	EVERETT	V	HOLBROOK	IV	MATTAPOISETT	III
ASHLAND	IV	CHARLTON	III	FAIRHAVEN	IV	HOLDEN	IV	MAYNARD	III
ATHOL	IV	CHATHAM	III	FALL RIVER	VI	HOLLAND	I	MEDFIELD	IV
ATTELBORO	V	CHELMSFORD	V	FALMOUTH	V	HOLLISTON	IV	MEDFORD	VI
AUBURN	IV	CHELSEA	V	FITCHBURG	V	HOLYOKE	V	MEDWAY	III
AVON	II	CHESTER	II	FLORIDA	I	HOPEDALE	II	MELROSE	V
AYER	III	CHESTER	I	FOXBOROUGH	IV	HOPKINTON	III	MENDON	II
BARNSTABLE	V	CHESTERFIELD	I	FRAMINGHAM	VI	HUBBARDSTON	II	MERRIMAC	II
BARRE	II	CHICOPEE	VI	FRANKLIN	IV	HUDSON	IV	METHUEN	V
BECKET	I	CHILMARK	I	FREETOWN	III	HULL	III	MIDDLEBOROUGH	IV
BEDFORD	IV	CLARKSBURG	I	GARDNER	IV	HUNTINGTON	I	MIDDLEFIELD	I
BELCHERTOWN	III	CLINTON	IV	GAYHEAD	I	IPSWICH	IV	MIDDLETON	II
BELLINGHAM	IV	COHASSET	III	GEORGETOWN	III	KINGSTON	III	MILFORD	IV
BELMONT	V	COLRAIN	I	GILL	I	LAKEVILLE	III	MILLBURY	IV
BERKLEY	II	CONCORD	IV	GLoucester	V	LANCASTER	III	MILLIS	III
BERLIN	II	CONWAY	I	GOSHEN	I	LANESBOROUGH	II	MILLVILLE	II
BERNARDSTON	I	CUMMINGTON	I	GOSNOLD	I	LAWRENCE	VI	MILTON	V
BEVERLY	V	DALTON	III	GRAFTON	IV	LEE	III	MONROE	I
BILLERICA	V	DANVERS	IV	GRANBY	III	LEICESTER	III	MONSON	III
BLACKSTONE	III	DARTMOUTH	V	GRANVILLE	I	LENOX	III	MONTAGUE	III
BLANDFORD	I	DEDHAM	IV	GREAT BARRINGTON	III	LEOMINSTER	V	MONTREY	I
BOLTON	II	DEERFIELD	II	GREENFIELD	IV	LEVERETT	I	MONTGOMERY	I
BOSTON	VII	DENNIS	IV	GROTON	III	LEXINGTON	V	MOUNT WASHINGTON	I
BOURNE	IV	DIGHTON	III	GROVELAND	III	LEYDEN	I	NAHANT	II
BOXBOROUGH	II	DOUGLAS	II	HADLEY	II	LINCOLN	III	NANTUCKET	III
BOXFORD	III	DOVER	II	HALIFAX	III	LITTLETON	III	NATICK	V
BOYLSTON	II	DRAUT	IV	HAMILTON	III	LONGMEADOW	IV	NEEDHAM	V
BRAINTREE	V	DUDLEY	III	HAMPDEN	II	LOWELL	VI	NEW ASHFORD	I

Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group
NEW BEDFORD	VI	PRINCETON	II	SPRINGFIELD	VII	WEST BOYLSTON	III
NEW BRAINTREE	I	PROVINCETOWN	II	STERLING	III	WEST BRIDGEWATER	III
NEW MARLBOROUGH	I	QUINCY	VI	STOCKBRIDGE	II	WEST BROOKFIELD	II
NEW SALEM	I	RANDOLPH	V	STONEHAM	IV	WEST NEWBURY	II
NEWBURY	III	RAYNHAM	III	STOUGHTON	V	WEST SPRINGFIELD	V
NEWBURYPORT	IV	READING	IV	STOW	III	WEST STOCKBRIDGE	I
NEWTON	VI	REHOBOTH	III	STURBRIDGE	III	WEST TISBURY	I
NORFOLK	III	REVERE	V	SUDBURY	IV	WESTBOROUGH	IV
NORTH ADAMS	IV	RICHMOND	I	SUNDERLAND	II	WESTFIELD	V
NORTH ANDOVER	IV	ROCHESTER	II	SUTTON	III	WESTFORD	IV
NORTH ATTLEBOROUGH	IV	ROCKLAND	IV	SWAMPSCOTT	IV	WESTHAMPTON	I
NORTH BROOKFIELD	II	ROCKPORT	III	SWANSEA	IV	WESTMINSTER	III
NORTH READING	IV	ROWE	I	TAUNTON	V	WESTON	IV
NORTHAMPTON	V	ROWLEY	II	TEMPLETON	III	WESTPORT	IV
NORTHBOROUGH	IV	ROYALSTON	I	TEWKSBURY	V	WESTWOOD	IV
NORTHBRIDGE	IV	RUSSELL	I	TISBURY	II	WEYMOUTH	VI
NORTHFIELD	II	RUTLAND	II	TOLLAND	I	WHATELY	I
NORTON	IV	SALEM	V	TOPSFIELD	III	WHITMAN	IV
NORWELL	III	SALISBURY	III	TOWNSEND	III	WILBRAHAM	IV
NORWOOD	V	SANDISFIELD	I	TRURO	I	WILLIAMSBURG	II
OAK BLUFFS	II	SANDWICH	IV	TYNGSBOROUGH	III	WILLIAMSTOWN	III
OAKHAM	I	SAUGUS	V	TYRINGHAM	I	WILMINGTON	IV
ORANGE	III	SAVOY	I	UPTON	II	WINCHENDON	III
ORLEANS	III	SCITUATE	IV	UXBRIDGE	III	WINCHESTER	IV
OTIS	I	SEEKONK	IV	WAKEFIELD	V	WINDSOR	I
OXFORD	IV	SHARON	IV	WALLES	I	WINTHROP	IV
PALMER	IV	SHEFFIELD	II	WALPOLE	IV	WOBBURN	V
PAXTON	II	SHELBURNE	II	WALTHAM	VI	WORCESTER	VII
PEABODY	V	SHERBORN	II	WARE	III	WORTHINGTON	I
PELHAM	I	SHIRLEY	III	WAREHAM	IV	WRENTHAM	III
PEMBROKE	IV	SHREWSBURY	IV	WARREN	II	YARMOUTH	IV
PEPPERELL	III	SHUTESBURY	I	WARWICK	I		
PERU	I	SOMERSET	IV	WASHINGTON	I		
PETERSHAM	I	SOMERVILLE	VI	WATERTOWN	V		
PHILLIPSTON	I	SOUTH HADLEY	IV	WAYLAND	IV		
PITTSFIELD	V	SOUTHAMPTON	II	WEBSTER	IV		
PLAINFIELD	I	SOUTHBOROUGH	III	WELLESLEY	V		
PLAINVILLE	III	SOUTHBRIDGE	IV	WELLFLEET	II		
PLYMOUTH	V	SOUTHWICK	III	WENDELL	I		
PLYMPTON	II	SPENCER	IV	WENHAM	II		



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